2023-2024 IT Volume Purchase Master Award

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SECTION 1: Ordering Instructions

Agencies should follow the steps below to streamline the ordering of PCs and related peripherals and value-added services under the PC Volume Master Award.

Please note: Requisitions **no longer** need to be sent to the Statewide IT Procurement Office prior to ordering if your orders are placed via E-Procurement. If you do not use E-Procurement, please email a copy of your request to debbie.patterson@nc.gov for tracking purposes.

1. Purchase Orders for purchases under this Volume Purchasing Award **must** be sent to the ordering addresses in table below.

Vendor	Ordering Address	Ordering Contact and Order Status Inquiries
Dell Marketing L.P.	One Dell Way RR8-MS-8741 Round Rock, TX 78682	Phone: 512-513-9031 Email: Kris_Ross@dell.com
Applied Data Technologies (for HP Product Orders) **(All HP orders should be placed with Applied Data Technologies – HUB Vendor)**	8515 Crown Crescent Ct. Charlotte, NC 28227	Phone: 800-267-1419 Email: NCBulkBuy@AppliedDataTech.com
Lenovo	1009 Think Place Morrisville, NC 27560	Phone: 919-874-2931 Email: tmelvin@lenovo.com
Microsoft **(All Microsoft orders should be placed with one of Microsoft's designated resellers listed). Microsoft encourages Agencies to check with their 204A/Volume Purchase resellers for additional pricing discounts (if available).**	Applied Data Technologies (HUB Vendor) 8515 Crown Crescent Ct. Charlotte, NC 28227	Phone: 800-267-1419 Email: NCBulkBuy@AppliedDataTech.com
	CDWG 230 N. Milwaukee Ave. Vernon Hills, IL 60061	Phone: 866-819-6497 Email: josebar@cdw.com
	Microsoft Store One Microsoft Way Redmond, WA 98052	Phone: 866-425-4709 Email: msncsc@microsoft.com
	SHI International Corp. (HUB Vendor) 290 Davidson Avenue Somerset, NJ 08873	Phone: 800-715-3197 Email: southeastteamgov@shi.com

2. When ordering, IT IS CRITICAL THAT YOU INCLUDE ALL OF THE REQUIRED INFORMATION NOTED BELOW ON YOUR PURCHASE ORDER:

Field	Instructions
PO Comments	Reference “NCBB Order and Master Quote 500320”. (**Note:** Select 204A as Contract number on E-Procurement requisitions.)
Vendor Comments	Provide an email address and phone number of who the Vendor should contact with any questions regarding your purchase order.
Line Item Description for Desktops, Portables, and Monitors	Include Configuration Name exactly as it appears in Section 2 (e.g., 1.1a Standard Desktop (256GB SSD)) AND Vendor Part Number from Section 2. **NOTE: Agencies may order any of the Monitor configurations from any of the awarded vendors.**
Line Item Description for 2-in-1 Laptop / Tablet	If you are ordering a 2-in-1 Laptop/Tablet without wireless wide area network (WWAN) capability (e.g., you only require Wi-Fi and no data plan), then your line item description should include “3.1a 2-in-1 Laptop/Tablet (No WWAN)” AND the Vendor Part Number from Section 2. If you need a 2-in-1 Laptop/Tablet with WWAN capability from either AT&T or Verizon, include the appropriate configuration name AND Vendor Part Number from Table 1. Note that Dell, HP, Lenovo, & Microsoft may have different Vendor Part Numbers for the three configuration options under the 2-in-1 Laptops / Tablets Segment. When ordering a WWAN model of the 2-in-1 Laptop/Tablet, note in the line item description if Agency is requesting the AT&T or Verizon model. **To obtain AT&T or Verizon data service for your 2-in-2 Laptop/Tablet, you should use the 915A IT Statewide Term Contract for Cellular Services.**
Line Item Description for EDU Chromebooks	If you are ordering an EDU Chromebook model, Agency should specify in the line item description if they are requesting a 2-in-1 Chromebook or a Clamshell Chromebook model.
Line Item Description for Options	The Awarded Pricing list in Section 2 includes Options that are available for Vendors’ awarded configurations. Be sure to include in the line item Description the Option Item Description (e.g., Nylon Carrying Case) and Vendor Part Number as they appear in this document. **Please closely review the listed Option items to make sure you are ordering the correct Option for the Desktop, Portable, 2-in-1 Laptop / Tablet, or EDU Chromebook configuration and Vendor that are listed on your requisition**.
Special Instructions or Order Status Inquiries	Just like any other normal procurement, if you have specific delivery instructions or delivery requirements (e.g., no loading dock, inside delivery required), you must include them in the Vendor Comments on your Purchase Orders. Also, please contact the appropriate awarded vendor and notify them of any special delivery requirements. If you have multiple ship-to locations on your purchase orders, please contact the awarded vendor to ensure that the order is correctly designated in the Vendor’s system.

3. **Warranty Information**: All configurations in the Desktop, Portable, and 2-in-1 Laptop/Tablet Segments come standard with a 3-Year, Next Business Day On-Site with Defective Hard Drive Retention Warranty. If you wish to purchase an extended or upgraded warranty, then you will need to select the applicable extended/upgraded warranty option from the list of Options for the applicable model and add it as an additional line item on your requisition. Be sure to include in the line item Description the Option Item Description (e.g., 4th Year Next Business Day, On-site w/hard drive retention warranty) and Vendor Part Number as they appear in this document. EDU Chromebooks come standard with a 1-Year Mail-In after Remote Diagnosis Limited Warranty. Please note: **Dell will add the cost of an extended warranty into the total cost of the device when it is invoiced. The extended warranty options will not be a separate line item on Dell's invoices.**

   All configurations in the Monitors Segment come standard with a 3-Year, Advanced Exchange NBD warranty. There are no upgrade or extended warranty options for monitors under this award.

4. **Operating System Information**: All Dell, HP, Lenovo, and Microsoft Device Configurations ship with Windows 11 Pro 64-Bit ONLY.

5. **Resource Media:** Agencies may download Resource Media from the Vendors' websites.

   - For Dell – Go to www.dell.com/support
   - For HP – Agencies can download individual drivers at www.hp.com. They can download groups of drivers using the Softpaq Program http://ftp.hp.com/pub/caps-softpaq/cmit/HP_Driverpack_Matrix_x64.html or the entire CD via the HP Software site.
   - For Lenovo – Go to https://pcsupport.lenovo.com/us/en/lenovorecovery
   - For Microsoft - Go to https://docs.microsoft.com/en-us/surface/contact-surface-support?tabs=online

6. **Value Added Services**: If you are ordering any of the Value-Added Services such as Custom Imaging, Asset Tagging, Installation, or Managed Logistics / Staggered Delivery, then you must contact the Vendor prior to issuing your purchase order. These Value-Added Services require the Agency to provide the Vendor with additional information in advance (e.g., Agency must provide Vendor with their Pre-Certified Custom Image and / or Asset Tags). There is additional order processing time involved with the initial set-up and testing of a Custom Image and Asset Tagging. See Table 1 below for Vendor Part Numbers and Not-To-Exceed unit pricing for Value Added Services available under this award. **Additional Value-Added Services may be offered by the Vendors upon request.**

	Dell		HP		Lenovo		Microsoft	
Value Added Service Option	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Custom Imaging	366-0330	$17.98	ADT1001	$10.00	5TS1J81775	$19.00	** Agencies should contact Microsoft reseller for quotes on any Value-Added Services requested with their product purchases.	
Asset Tags	366-0331	$14.98	ADT1002	$5.00	5TS0F57296	$6.00		
Installation	TBD	TBD - Contact Vendor for Quote	ADT1003	$20.00	TBD – SOW based	TBD - Contact Vendor for Quote		
Managed Logistics / Staggered Delivery	TBD	TBD - Contact Vendor for Quote	ADT1004	$1.00	TBD – SOW based	TBD - Contact Vendor for Quote		

Table 1: Value Added Services Vendor Part Numbers and Not-To-Exceed Unit Prices

7. **Order Delivery:** The standard delivery for orders issued under the Volume Purchase is within 21 days after Vendor's receipt of purchase order. Please note: The ongoing worldwide component shortages continue may cause shipping delays for devices and certain options (specifically laptops, monitors, and docking stations).

8. **Volume Purchase Master Award and Volume Purchase Procedures:** The most current versions of the Volume Purchase Master Award and Volume Purchase Procedures are located at the following website: http://it.nc.gov/statewide-programs/it-volume-purchasing. The Volume Purchase Master Award is updated frequently due to Vendor product updates, so please use the most current version of the Volume Purchase Master Award posted on this site when placing an order.

9. **Questions:** Please email Debbie Patterson at debbie.patterson@nc.gov if you have any additional questions or issues. If you have an issue or question about an existing order, please include your purchase order number and the order date in your email.

SECTION 2: PC Volume Purchase Master Award 500320 Pricing

The 2023-2024 PC Volume Purchase has been awarded to multiple vendors. **Agencies may select from <u>any</u> of the listed awarded vendors within a Segment when making their purchase selection.** (Items highlighted in green denote lowest cost model).

Desktop and Workstation Model and Options Pricing

Desktop and Workstation Models			Dell		HP		Lenovo	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Desktops	1.1a	1.1a Standard Desktop (256GB SSD)	3000157204339	$544.00	2024DT1.1A	$579.00	11T7S85700	$539.00
	1.1b	1.1b Standard Desktop (512GB SSD)	3000157204372	$579.00	2024DT1.1B	$597.00	11T7S85600	$574.00
	1.2	1.2 Mid-Range Desktop	3000157046014	$781.00	2024DT1.2	$808.00	11TFS2EL00	$776.00
	1.3	1.3 Workstation 1 (i7 Proc, 4GB Video, 64GB Memory, 1TB SSD)	3000148817895	$1,559.00	2024WS1.3	$1,243.00	30GUS23D00	$1,408.00
	1.4a	1.4a Workstation 2 (i9 Proc, 8GB Video, 64GB Memory, 1TB SSD)	3000148818977	$1,964.00	2024WS1.4A	$1,726.00	30GUS23C00	$1,786.00
	1.4b	1.4b Workstation 2 (AMD Ryzen Threadripper PRO 5965WX Proc, 8GB Video, 64GB Memory, 1TB SSD)	3000157086110	$3,982.00				
	1.5a	1.5a Micro/Tiny Desktop (Intel i3 Proc, 256GB SSD)	3000157204689	$517.00	2024DM1.5A	$511.00	12E4S16J00	$512.00
	1.5b	1.5b Micro/Tiny Desktop (Intel i3 Proc, 512GB SSD)	3000157204873	$536.00	2024DM1.5B	$533.00	12E4S16K00	$536.00
	1.6	1.6 Micro/Tiny Desktop (Intel i5 Proc, 512GB SSD, Wireless card)	3000157204920	$629.00	2024DM1.6	$626.00	12EAS03900	$644.00

Desktop and Workstation Options			Dell		HP		Lenovo	
Configuration	Item Number	Peripheral Option Description	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Standard Desktop	1.07	16.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB371019	$113.00	13L74AA	$117.00		
Mid-Range Desktop	1.08	16.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB371019	$113.00	13L74AA	$117.00	4X71K53891	$168.00
Tiny/Micro Desktop	1.09	16.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB371019	$113.00	13L75AA	$117.00	4X71D09535 (For 1.5a-1.5b) 4X71M23187 (For 1.6)	$160.00 $160.00
Standard Desktop	1.10	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB120719	$192.00	13L72AA	$230.00	4X71D07932	$239.00
Mid-Range Desktop	1.11	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB120719	$192.00	13L72AA	$230.00	4X71K53892	$248.00
Workstation 1 & 2	1.12	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB883075	$232.00	4M9Y2AA	$230.00	4X71K53892	$248.00
Tiny/Micro Desktop	1.13	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AB120716	$201.00	13L73AA	$230.00	4X71D09536 (For 1.5a-1.5b) 4X71M23189 (For 1.6)	$240.00 $320.00
All Desktop Configurations	1.15	External Speakers	A7129773	$14.00	KOSPKR	$24.00	4XD1C82055	$80.00
All Desktop Configurations	1.16	Webcam	A5485971	$28.49	53x27aa	$23.00	4XC1B34802	$23.00
All Desktop Configurations	1.17	USB External DVD +/-RW Drive	429-AAUQ	$26.00	F2B56AA	$31.00	4XA0E97775	$72.00
All Desktop Configurations	1.18	USB External Headset for Business	A8419917	$10.00	2291612	$20.00	4XD0X88524	$24.00
All Desktop Configurations	1.19	USB Wireless Keyboard & Mouse Combo	580-AJIS	$28.00	1Y4D0AA	$23.00	4X30M39458	$35.00
All Desktop Configurations	1.20	USB Wireless Keyboard			1Y4D0AA	$23.00	4X30H56841	$31.00
All Desktop Configurations	1.21	USB Wireless Mouse	570-AALK	$10.00	3B4Q5AA	$22.00	4X30M56887	$15.00

Desktop and Workstation Options			Dell		HP		Lenovo	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
All Desktop Configurations	1.22	Microsoft 11 Professional (OEM) with media OR Recovery CD	Downloadable	$0.00	Downloadable	$0.00	Downloadable	$0.00
All Desktop Configurations	1.23	Resource CDs	Downloadable	$0.00	Downloadable	$0.00	Downloadable	$0.00
All Desktop Configurations	1.23	4-Port USB 3.0 Hub with cable	AA781805	$28.00	4726738	$27.50		
Tiny/Micro Desktop	1.25	Micro VESA Mount with adapter box	452-BDUY	$20.84	13L68AA	$30.00	4XF0N03161	$13.00
Tiny/Micro Desktop	1.26	Micro All-in-One Stand	452-BDUB	$67.00	G1V61AA	$103.00	4XF1K03170 (Stand includes a VESA Mount)	$80.00
Standard Desktop	1.27	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	U11BVE	$25.00	5WS0T36207+ 5PS0D80974	$85.00
Mid-Range Desktop	1.28	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	U11BVE	$25.00	5WS0T36207+ 5PS0D80974	$85.00
Workstation 1 & 2	1.29	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	U1G56E	$29.00	5WS0T36136+ 5PS0Q11739	$85.00
Tiny/Micro Desktop	1.30	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	U11BVE	$25.00	5WS0T36207+ 5PS0D80974	$85.00
Standard Desktop	1.31	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	U11BWE	$32.00	5WS0T36123+ 5PS0K26186	$125.00
Mid-Range Desktop	1.32	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	U11BWE	$32.00	5WS0T36123+ 5PS0K26186	$125.00
Workstation 1 & 2	1.33	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	U1G57E	$51.00	5WS0T36135+ 5PS0Q11741	$125.00
Tiny/Micro Desktop	1.34	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	U11BWE	$32.00	5WS0T36123+ 5PS0K26186	$125.00

Portable/Laptop Model and Options Pricing

Portable/Laptop Models			Dell		HP		Lenovo		Microsoft	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Portables	2.1a - (512GB)	Standard Laptop (Intel, **Non-Touchscreen**, **512GB SSD**)	3000163227235.1	$762.00	2024NB2.1A	$765.00	21JLS0U100	$776.00		
	2.1a – (256GB)	Standard Laptop (Intel, **Non-Touchscreen**, **256GB SSD**)			2024ANB2.1ALT	$749.00	21JLS0U400	$751.00		
	2.1b – (512GB)	Standard Laptop (Intel, **Touchscreen**, **512GB SSD**)	3000163228459.1	$798.00	2024NB2.1B	$800.00	21JLS0U200	$826.00	Must Order all 3 Parts: **Platinum Model:** (RIQ-00001, JWG-00001, F9W-00162) Must Order all 3 Parts: **Black Model:** (RIQ-00024, JWG-00001, F9W-00162)	**$2,050.70** **Platinum Model:** RIQ-00001 - $1,747.99; JWG-00001 - $39.59; F9W-00162 - $263.12 **$2,050.70** **Black Model**: RIQ-00024 - $1,747.99; JWG-00001 - $39.59; F9W-00162 - $263.12
	2.1b – (512GB)-ALT	ALTERNATE Standard Laptop (Intel, **Touchscreen**, **512GB SSD**)							Must Order all 3 Parts: (RBH-00026, JWG-00001, F9W-00162)	**$1,958.70** RBH-00026 - $1,655.99 JWG-00001 - $39.59; F9W-00162 - $263.12
	2.1b – (256GB)	Standard Laptop (Intel, **Touchscreen**, **256GB SSD**)			2024ANB2.1BLT	$792.00	21JLS0U000	$801.00		

Portable/Laptop Models			Dell		HP		Lenovo		Microsoft	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Portables	2.1b – (256GB)-ALT	ALTERNATE Standard Laptop (Intel, **Touchscreen**, **256GB SSD**)							Must Order all 3 Parts: (R7B-00024, JWG-00001, F9W-00162)	**$1,682.70** R7B-00024 - $1,379.99; JWG-00001 - $39.59; F9W-00162 - $263.12
	2.2a – (AMD, 512GB)	Standard Laptop (AMD, **Non-Touchscreen**, **512GB SSD**)			2024NB2.2A	$687.00	21JSS0KD00	$696.00		
	2.2a – (AMD, 256GB)	Standard Laptop (AMD, **Non-Touchscreen**, **256GB SSD**)			2024ANB2.2ALT	$670.00	21JSS0KC00	$671.00		
	2.2b – (AMD, 512GB)	Standard Laptop (AMD, **Touchscreen**, **512GB SSD**)			2024NB2.2B	$723.00	21JSS0K900	$746.00		
	2.2b – (AMD, 256GB)	Standard Laptop (AMD, **Touchscreen**, **256GB SSD**)			2024ANB2.2BLT	$715.00	21JSS0KA00	$721.00		
	2.3a	High End Laptop 1 (Intel U Processor, **Non-Touchscreen**)	3000157214300	$935.00	2024HENB2.3A	$906.00	21H4S3BF00	$910.00		
	2.3b	High End Laptop 1 (Intel U Processor, **Touchscreen**)	3000157214104	$986.00	2024HENB2.3B	$963.00	21H4S3BD00	$965.00	Must Order all 3 Parts: (RL1-00001, JWG-00001, F9W-00162)	**$2,602.70** RL1-00001 - $2,299.99; JWG-00001 - $39.59; F9W-00162 - $263.12

Portable/Laptop Models			Dell		HP		Lenovo		Microsoft	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Portables	2.3b-ALT	ALTERNATE High End Laptop 1 (Intel U Processor, **Touchscreen**)							Must Order all 3 Parts: **RTX A2000 Video Card** (AIC-00001, JWG-00001, F9W-00226) **GF RTX 3050 Ti Video Card** (ADI-00001, JWG-00001, F9W-00226)	**RTX A2000 Video Card: $3,518.70** AIC-00001 - $3,127.99; JWG-00001 - $39.59; F9W-00226 - $351.12 **GF RTX 3050 Ti Video Card: $2,966.70** ADI-00001 - $2,575.99; JWG-00001 - $39.59; F9W-00226 - $351.12
	2.3c	High End Laptop 1 (AMD Processor, **Non-Touchscreen**)			2024HENB2.3C	$827.00	21H8S1AD00	$830.00		
	2.3d	High End Laptop 1 (AMD Processor, **Touchscreen**)			2024HENB2.3D	$884.00	21H8S1AE00	$885.00		
	2.4a	High End Laptop 2 (Intel P Processor, **vPro**, **Non-Touchscreen**)	3000148642986	$1,162.00	2024HENB2.4A	$949.00	21H4S3BC00	$951.00		
	2.4b	High End Laptop 2 (Intel P Processor, **vPro**, **Touchscreen**)	3000148643086	$1,213.00	2024HENB2.4B	$1,000.00	21H4S3BE00	$1,005.00		
	2.5a	Elite Laptop 1 (Intel i7 vPro, 4GB Video, 32GB Memory, 512GB SSD, **Non-Touchscreen**)	3000163229107.1	$1,320.00	2024ELT2.5A	$1,314.00	21HLS1AJ00	$1,203.00		
	2.5b	Elite Laptop 1 (Intel i7 vPro, 4GB Video, 32GB Memory, 512GB SSD, **Touchscreen**)	3000163229578.1	$1,380.00	2024ELT2.5B	$1,375.00	21HLS1AK00	$1,263.00		
	2.6a	Elite Laptop 2 (Intel i9 vPro, 4GB Video, 32GB Memory, 1TB SSD, **Non-Touchscreen**)	3000173733552.1	$1,786.00	2024ELT2.6A	$1,782.00	21FDS0UD00	$1,786.00		

Portable/Laptop Models			Dell		HP		Lenovo		Microsoft	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Portables	2.6b	Elite Laptop 2 (Intel i9 vPro, 4GB Video, 32GB Memory, 1TB SSD, **Touchscreen**)	3000173733943	$1,826.00	2024ELT2.6B	$1,819.00	21FDS0UE00	$1,839.00		
	2.7a	Elite Laptop 3 (Intel i9 vPro, 8GB Video, 64GB Memory, 1TB SSD, **Non-Touchscreen**)	3000157214745	$2,557.00	2024ELT2.7A	$2,364.00	21FBS25H00	$2,501.00		
	2.7b	Elite Laptop 3 (Intel i9 vPro, 8GB Video, 64GB Memory, 1TB SSD, **Touchscreen**)	3000157214902	$2,791.00	2024ELT2.7B	$2,503.00	21FBS25J00	$2,701.00		
	2.8a	Ultralight Laptop (Intel, non-vPro)	3000157110079	$1,115.00	2024UNB2.8A	$1,126.00	21FHS28X00	$979.00	Must Order all 3 Parts: W5S-00001, JWG-00001, F9W-00162	**$2,326.70** W5S-00001 - $2,023.99 JWG-00001 - $39.59; F9W-00162 - $263.12
	2.8a-ALT	**ALTERNATE** Ultralight Laptop (Intel, non-vPro)	3000157111659	$1,282.00	2024UNB2.8ALT	$987.00				
	2.8b	Ultralight Laptop (Intel vPro)	3000157839627	$1,175.00	2024UNB2.8B	$1,219.00	21FHS28Y00	$1,051.00		
	2.8b-ALT	ALTERNATE Ultralight Laptop (Intel vPro)			2024UNB2.8BLT	$1,059.00				

Portable/Laptop Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Standard Laptop	2.09	32.0GB DDR SDRAM Memory (1 DIMM or 2 DIMMs)	AB120716	$201.00	286J1X2 (2x16GB)	$234.00				
High End Laptop 1	2.10a	32.0GB DDR SDRAM Memory (1 DIMM or 2 DIMMs)	AB120716	$201.00	4S967AA	$174.00	4X71D09536	$240.00		
High End Laptop 2	2.10b	32.0GB DDR SDRAM Memory (1 DIMM or 2 DIMMs)	AB120716	$201.00	5S4C0AA	$243.00	4X71D09536	$240.00		
Elite Laptop 1 & 2	2.11	32.0GB DDR SDRAM Memory (1 DIMM)	AB949335	$232.00			4X71M23189 (Elite Laptop 1)	$320.00		
Standard Laptop	2.12	64.0GB DDR SDRAM Memory (1 DIMM)								
High End Laptop 1	2.13a	64.0GB DDR SDRAM Memory (1 DIMM)			4S967X2 (2x32GB)	$348.00				
High End Laptop 2	2.13b	64.0GB DDR SDRAM Memory (1 DIMM)			5S4C0X2 (2x32GB)	$486.00				
Elite Laptop 1	2.14a	64.0GB DDR SDRAM Memory	AB120716 x 2	$402.00						
Elite Laptop 2	2.14b	64.0GB DDR SDRAM Memory	AB949335 x 2	$464.00			2 x 4X71M23189	$640.00		
Elite Laptop 3	2.15	128.0GB DDR SDRAM Memory (1 DIMM)	370-AHFR (CAMM module)	$1525.00			4 x 4X71M23189	$1,280.00		
Standard Laptop	2.16	Port Replicator (Docking Station)	210-AZBG	$165.00	72C71AA	$154.00	40AY0090US	$176.00		

Portable/Laptop Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
High End Laptop	2.17	Port Replicator (Docking Station)	210-AZBG	$165.00	72C71AA	$154.00	40AY0090US	$176.00		
Elite Laptop 1 & 2	2.18a	Port Replicator (Docking Station)	210-BDQH	$166.00	4J0A2AA (120W)	$207.00	40B00300US	$270.00		
Elite Laptop 3	2.18b	Port Replicator (Docking Station)	210-AZBN	$181.00	4J0G4AA (280W)	$233.00	40B00300US	$270.00		
Ultralight Laptop	2.19	Port Replicator (Docking Station)	210-BDQH	$166.00	72C71AA	$154.00	40AY0090US	$176.00		
Standard Laptop	2.20a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)	492-BDBZ	$30.00	H6Y89AA	$26.00			Q5N-00001	$79.19
Standard Laptop	2.20b	USB-C AC Adapter/Power Supply	492-BCNW	$30.00	1P3K6AA	$16.00	4X20M26268	$36.00		
High End Laptop	2.21a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)								
High End Laptop	2.21b	USB-C AC Adapter/Power Supply	492-BCNW	$30.00	1P3K6AA	$16.00	4X20M26268	$36.00		
Elite Laptop 1	2.22a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)			4SC18AA (150W)	$58.00	4X20S56697	$78.00		
Elite Laptop 2	2.22a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)			4SC18AA (150W)	$58.00	4X20S56697	$78.00		
Elite Laptop 3	2.22a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)	450-AHDJ	$45.00	6E6M1AA (230W)	$51.00	4X20S56697	$78.00		
Elite Laptop 1	2.22b	USB-C AC Adapter/Power Supply	492-BDKM	$30.00						
Elite Laptop 2	2.22b	USB-C AC Adapter/Power Supply	450-AHOM	$49.00						

Portable/Laptop Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Elite Laptop 3	2.22b	USB-C AC Adapter/Power Supply								
Ultralight Laptop	2.23a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)	470-ACFG (Dongle ONLY)	$30.00						
Ultralight Laptop	2.23b	USB-C AC Adapter/Power Supply	492-BCNW	$30.00	1P3K6AA	$16.00	4X20M26268	$36.00		
All Laptop Configurations	2.24	Nylon Carrying Case	460-BDQZ	$20.00	1X645AA	$21.00	4X40Y95215	$23.00		
All Laptop Configurations	2.24-ALT	Ruggedized Case							stm-122-262M-01 (works with Surface Laptop 2,3,4,5 - 13.5") 3332531143 43 (works with Surface Laptop 3/4/5 Plasma)	$70.36 $87.96
All Laptop Configurations	2.25	Laptop Backpack (nylon,water-resistant)	460-BDSW	$19.00	1X644AA	$17.00	4X40T84059	$17.00		
All Laptop Configurations	2.26	USB/Thunderbolt Universal Docking Station	210-BDQH	$166.00	4J0A2AA	$207.00	40B00135US	$238.00	T8I-00001	$263.99
All Laptop Configurations	2.27	Cable Lock	AA549668	$22.00	6UW42AA	$30.00	4XE1B81915	$31.00		
All Laptop Configurations	2.28	External Speakers	A7129773	$14.00	366229	$24.00	4XD0T32974?	$120.00		
All Laptop Configurations	2.29a	4-Port USB 3.0 Hub with cable	AA781805	$28.00	4726738	$27.50				

Portable/Laptop Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
All Laptop Configurations	2.29b	USB-C Travel Hub - docking station - USB-C - VGA, HDMI - GigE							1E4-00001	$87.99
All Laptop Configurations	2.30	USB External Headset for Business	A8419917	$10.00	2291612	$20.00	4XD1K18260	$27.00	8JN-00001	$41.79
All Laptop Configurations	2.31	Webcam	A5485971	$28.49	53X27AA	$23.00	4XC1B34802	$23.00	8MA-00001	$58.51
All Laptop Configurations	2.32	Mouse, USB, 2-button, Optical/Scroll	275-BBCB	$11.00	265A9AA	$12.00	4Y50R20863	$13.00		
All Laptop Configurations	2.33	Mouse, USB, 2-button, Wireless	570-AALK	$10.00	3B4Q5AA	$22.00	4X30M56887	$15.00		
All Laptop Configurations	2.34	Mouse, Bluetooth	570-ABGK	$15.00	1D0K2UT	$38.00	4Y50X88822	$24.00	KGZ-00001	$35.19
All Laptop Configurations	2.35	Keyboard, USB, Enhanced	580-ADMT	$13.00	266C9AA	$15.00	4X30H56841	$31.00		
All Laptop Configurations	2.36	Keyboard, USB, Wireless	580-AJIS (includes mouse)	$28.00	1Y4D0AA	$23.00	4X30M86879	$19.00		
All Laptop Configurations	2.37	Keyboard, Bluetooth	A8622614	$28.00	3Z726AA	$93.00	4Y41K04031	$47.00	3YJ-00022	$87.99
All Laptop Configurations	2.38	Keyboard and Mouse Combo, USB, Wireless	580-AJIS	$28.00	1Y4D0AA	$23.00	4X30M39458	$35.00		
All Laptop Configurations	2.39	Keyboard, Ergonomic, Wired	AA842056	$32.06	5358326	$32.00				
All Laptop Configurations	2.40	Keyboard, Ergonomic, Wireless	580-AJIS	$28.00	2522003	$32.00	4Y41C33748	$80.00		
All Laptop Configurations	2.41	Keyboard, Ergonomic, Bluetooth	A8622614	$28.00	6347972	$113.00				
All Laptop Configurations	2.42	USB External DVD+/-RW Drive	429-AAUQ	$26.00	F2B56AA	$31.00	4XA0E97775	$72.00		
All Laptop Configurations	2.43	Microsoft 11 Professional (OEM) with media OR Recovery CD	Downloadable	$0.00	Downloadable	$0.00	Downloadable	$0.00		
All Laptop Configurations	2.44	Resource CDs	Downloadable	$0.00	Downloadable	$0.00	Downloadable	$0.00		

Portable/Laptop Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Standard Laptop	2.45	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	UB5F2E	$72.00	5WS0V07430+ 5WS0L13023	$141.00	HP3-00105 (Microsoft does not offer on-site)	$307.12
High End Laptop	2.46	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	UA6H7E	$84.00	5WS0U59600+ 5PS0G79465	$148.00		
Elite Laptop 1 - 3	2.47	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	U61BHE	$116.00	5WS1H31782+ 5PS1H31761 (Elite 1-2) 5WS0V07074+ 5PS1H31761 (Elite 3)	$148.00 $162.00		
Ultralight Laptop	2.48	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$110.00	UE336E	$111.00	5WS0U59600+ 5PS0G79465	$148.00		
Standard Laptop	2.49	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	UB5F3E	$107.00	5WS0W84313+ 5PS0K27099	$209.00		
High End Laptop	2.50	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	UA6H8E	$127.00	5WS0U59599+ 5PS0K18198	$223.00		
Elite Laptop 1 & 2	2.51	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	U61BSE	$166.00	5WS1L84435+ 5PS1H31796 (Elite 1-2) 5WS0W84266+ 5PS1H31796 (Elite 3)	$223.00 $240.00		
Ultralight Laptop	2.52	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$220.00	UE337E	$158.00	5WS0U59599+ 5PS0K18198	$223.00		
Standard Laptop	2.53	3YR. Extended Battery Warranty to match 3YR Device warranty	3yr Battery	$80.00	Included	$0.00	5WS0L01988	$28.00		
High End Laptop	2.54	3YR. Extended Battery Warranty to match 3YR Device warranty	3yr Battery	$80.00	Included	$0.00	5WS0A23013	$28.00		
Elite Laptop 1 - 3	2.55	3YR. Extended Battery Warranty to match 3YR Device warranty	3yr Battery	$80.00	Included	$0.00	5WS1H31713	$28.00		

Portable/Laptop Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Ultralight Laptop	2.56	3YR. Extended Battery Warranty to match 3YR Device warranty	3yr Battery	$80.00	Included	$0.00	5WS0A23013	$28.00		
Standard Laptop	2.57	3 Year Accidental Damage Warranty	3yr Accidental	$100.00	UB5F7E	$122.00	5PS0L30075	$69.00		
High End Laptop	2.58	3 Year Accidental Damage Warranty	3yr Accidental	$100.00	UA6H9E	$114.00	5PS0A23193	$76.00		
Elite Laptop 1 - 3	2.59	3 Year Accidental Damage Warranty	3yr Accidental	$100.00	U61B9E	$158.00	5PS1H31737	$76.00		
Ultralight Laptop	2.60	3 Year Accidental Damage Warranty	3yr Accidental	$100.00	UL784E	$137.00	5PS0A23193	$76.00		
Standard Laptop	2.61	4 Year Accidental Damage Warranty	4yr Accidental	$155.00	UB5F8E	$259.00	5PS0L30070	$97.00		
High End Laptop	2.62	4 Year Accidental Damage Warranty	4yr Accidental	$155.00	UA6J0E	$218.00	5PS0A22966	$104.00		
Elite Laptop 1 - 3	2.63	4 Year Accidental Damage Warranty	4yr Accidental	$155.00	U61BKE	$337.00	5PS1H31762	$104.00		
Ultralight Laptop	2.64	4 Year Accidental Damage Warranty	4yr Accidental	$155.00	UL785E	$285.00	5PS0A22966	$104.00		
Standard Laptop	2.65	5 Year Accidental Damage Warranty	5yr Accidental	$225.00	UB5F9E	$411.00	5PS0K27092	$132.00		
High End Laptop	2.66	5 Year Accidental Damage Warranty	5yr Accidental	$225.00	UA6J1E	$392.00	5PS0K18187	$125.00		
Elite Laptop 1 - 3	2.67	5 Year Accidental Damage Warranty	5yr Accidental	$225.00	U61BVE	$606.00	5PS1H31752	$125.00		
Ultralight Laptop	2.68	5 Year Accidental Damage Warranty	5yr Accidental	$225.00	Ul786E	$511.00	5PS0K18187	$125.00		

2-in-1 Laptop/Tablet Model and Options Pricing

2-in-1 Laptop/Tablet Models			Dell		HP		Lenovo		Microsoft	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
2-in-1 Laptop/Tablets	3.1a	2-in-1 Laptop / Tablet (No WWAN)	3000157196669.5	$1,498.00	2024TN13.1A	$1,147.00	21FKS19G00	$1,150.00	Must Order all 4 Parts: (QLQ-00001, QJX-00001, F9W-00158, SPC-00005)	**$2,896.69** QLQ-00001-$2,483.99 QJX-00001 - $123.19; F9W-00158 - $263.12; SPC-00005 - $26.39
	3.1a	ALTERNATE 2-in-1 Laptop / Tablet (No WWAN)	3000157894653.1	$1,379.63						
	3.1b	2-in-1 Laptop / Tablet (AT&T)	3000157759171	$1,505.00	2024TN13.1B	$1,196.00	21FKS19J00	$1,200.00		
	3.1b-ALT	ALTERNATE 2-in-1 Laptop / Tablet (AT&T)							Must Order all 4 Parts: (RZ1-00001, QJX-00001, F9W-00158, SPC-00005)	**$2,252.69** RZ1-00001- $1,839.99 QJX-00001 - $123.19; F9W-00158 - $263.12; SPC-00005 - $26.39
	3.1c	2-in-1 Laptop / Tablet (Verizon)	3000157759193	$1,505.00	2024TN13.1C	$1,196.00	21FKS19J00	$1,200.00		
	3.1c-ALT	ALTERNATE 2-in-1 Laptop / Tablet (Verizon)							Must Order all 4 Parts: (RZ1-00001, QJX-00001, F9W-00158, SPC-00005)	**$2,252.69** RZ1-00001- $1,839.99 QJX-00001 - $123.19; F9W-00158 - $263.12; SPC-00005 - $26.39
	3.2a	2-in-1 Laptop / Tablet (No WWAN)(**Intel vPro**)	3000157215341.6	$1,508.00	2024TN13.2A	$1,236.00	21FKS19F00	$1,241.00		
	3.2a	ALTERNATE 2-in-1 Laptop / Tablet (No WWAN)(Intel vPro)	3000157230079.5	$1,390.74						

2-in-1 Laptop/Tablet Models			Dell		HP		Lenovo		Microsoft	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
2-in-1 Laptop/Tablets	3.2b	2-in-1 Laptop / Tablet (AT&T)(**Intel vPro**)	3000157759037	$1,515.00	2024TN13.2B	$1,367.00	21FKS19H00	$1,251.00		
	3.2c	2-in-1 Laptop / Tablet (Verizon)(**Intel vPro**)	3000157759047	$1,515.00	2024TN13.2C	$1,367.00	21FKS19H00	$1,251.00		

2-in-1 Options			Dell		HP		Lenovo		Microsoft	
Configuration	Item Number	Peripheral Option Description	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
2-in-1 Laptop / Tablet	3.05	Docking Station (USB-C/Thunderbolt Universal dock)	210-BDQH	$166.00	72C71AA	$154.00	40AY0090US	$176.00	T8I-00001	$263.99
2-in-1 Laptop / Tablet	3.06	AC Adapter / Power Supply	492-BBME	$30.00	671R3AA	$25.00	4X20V24674	$55.00	Q5N-00001	$79.19
2-in-1 Laptop / Tablet	3.07	Nylon Carrying Case	460-BDQZ	$20.00	1X645AA	$21.00	4X41D97727	$22.00		
2-in-1 Laptop / Tablet	3.08	Laptop Backpack (nylon,water-resistant)	460-BDSW	$19.00	1X644AA	$17.00	4X40K09936	$19.00		
2-in-1 Laptop / Tablet	3.09	Monitor Stand (can be a combo docking station & monitor stand)	452-BDGB	$160.00	5533278	$59.00				
2-in-1 Laptop / Tablet	3.10	Mouse, USB, 2-button, Wireless	570-AALK	$10.00	3B4Q5AA	$22.00	4X30M56887	$15.00		
2-in-1 Laptop / Tablet	3.11	Mouse, Bluetooth	570-ABGK	$15.00	1D0K2UT	$38.00	4Y50X88822	$24.00	KGZ-00001	$35.19
2-in-1 Laptop / Tablet	3.12	Keyboard, USB, Wireless	580-AJIS (includes mouse)	$28.00	1Y4D0AA	$23.00	4X30H56841	$31.00		
2-in-1 Laptop / Tablet	3.13	Keyboard, Bluetooth	A8622614	$28.00	3Z726AA	$93.00			3YJ-00022	$87.99
2-in-1 Laptop / Tablet	3.14	Keyboard and Mouse Combo, USB, Wireless	580-AJIS	$28.00	1Y4D0AA	$23.00	4X30M39458	$35.00		
2-in-1 Laptop / Tablet	3.15	Auto Adapter	450-AAYR	$51.00			40AK0065WW	$47.00		
2-in-1 Laptop / Tablet	3.16	Stylus	750-ADQK	$26.00	6SG43AA	$71.00	4X81L12874	$31.00		
2-in-1 Laptop / Tablet	3.17	USB External DVD+/-RW Drive	429-AAUQ	$26.00	F2B56AA	$31.00	4XA0E97775	$72.00		
2-in-1 Laptop / Tablet	3.18	Resource CDs	Downloadable	$0.00	Downloadable	$0.00	Downloadable	$0.00		

2-in-1 Options			Dell		HP		Lenovo		Microsoft	
Configuration	Item Number	Peripheral Option Description	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
2-in-1 Laptop / Tablet	3.19	4th Year Next Business Day, On-site w/hard drive retention warranty	4th year	$90.00	UE336E	$111.00	5WS0U59600+ 5PS0G79465	$148.00		
2-in-1 Laptop / Tablet	3.20	5th Year Next Business Day, On-site w/hard drive retention warranty	5th year	$120.00	UE337E	$158.00	5WS0U59599+ 5PS0K18198	$223.00		
2-in-1 Laptop / Tablet	3.21	3 Year Accidental Damage Warranty	3yr Accidental	$100.00	UL784E	$137.00	5PS0A23193	$76.00		
2-in-1 Laptop / Tablet	3.22	4 Year Accidental Damage Warranty	4yr Accidental	$155.00	UL785E	$285.00	5PS0A22966	$104.00		
2-in-1 Laptop / Tablet	3.23	5 Year Accidental Damage Warranty	5yr Accidental	$225.00	UL786E	$511.00	5PS0K18187	$125.00		
2-in-1 Laptop / Tablet	3.24	3YR. Extended Battery Warranty to match 3YR Device warranty	3yr Battery	$80.00	Included	$0.00	5WS0A23013	$28.00		

EDU Chromebook Model and Options Pricing

EDU Chromebook Models			Dell		HP		Lenovo	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
EDU Chromebook	4.1a	Education Chromebook (Intel, 32GB eMMC HD) 2-in-1 Model **(No WWAN)** **(Touch)**	3000131000996.5	$329.00	7L2Z9GM	$346.00	82JCS0S600 + 4ZN0M55474 (Google Console Lics.)	$629.00
	4.2a	Education Chromebook (Intel, 32GB eMMC HD) Clamshell Model **(No WWAN)** **(Touch)**	3000130999942.7	$263.00	3V2Y3GM	$307.00		
	4.2a-ALT	ALTERNATE Education Chromebook (MediaTek, 32GB eMMC HD) Clamshell Model **(No WWAN)** **(Touch)**					82W3S0E700 + 4ZN0M55474 (Google Console Lics.)	$494.00
	4.2b-ALT	ALTERNATE Education Chromebook (32GB eMMC HD) Clamshell Model **(LTE)** **(Touch)**			6P176GM	$410.00		
	4.3a	Education Chromebook (Intel, 64GB eMMC HD) Clamshell Model **(No WWAN)** **(Touch)**			6J173GM	$341.00		
	4.3a-ALT	ALTERNATE Education Chromebook (Intel, 64GB eMMC HD) Clamshell Model **(No WWAN)** **(Non-Touch)**					82V0S06D00 + 4ZN0M55474 (Google Console Lics.)	$471.00
	4.3a-ALT	ALTERNATE Education Chromebook (AMD or MediaTek, 64GB eMMC HD) Clamshell Model **(No WWAN)** **(Non-Touch)**	3000157215571.3	$515.00			82W1S07E00 + 4ZN0M55474 (Google Console Lics.)	$490.00
	4.3b-ALT	ALTERNATE Education Chromebook (64GB eMMC HD) Clamshell Model **(LTE)** **(Touch)**			6P180GM	$424.00		

EDU Chromebook Options			Dell		HP		Lenovo	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
EDU Chromebook	4.04	3 Year Mail-in Service Warranty	3yr Mail in	$49.00	U06SVE	$29.00	5WS0N75691	$30.00
EDU Chromebook	4.05	4 Year Mail-in Service Warranty	4yr Mail in	$64.00	U05LTE	$45.00	5WS0N75564	$38.00
EDU Chromebook	4.06	3 Year Basic Hardware Support and 3 Year Battery Warranty	3yr Basic + 3yr battery	$155.00	U06SVE	$29.00	5WS0N75553+ 5WS0N75551	$57.00
EDU Chromebook	4.07	4 Year Basic Hardware Support and 4 Year Battery Warranty	4yr Basic + 4yr battery	$174.00	U05LTE & U9UX1E (Must order both parts)	$92.00	5WS0N75584+ 5WS0N75551 (3 yr. battery)	$73.00
EDU Chromebook	4.08	3 Year Enhanced/Pro Hardware Support and 3 Year Battery Warranty	3yrPro +3yr battery	$255.00	U06SVE	$29.00	5WS0V16391+ 5WS0N75551	$68.00
EDU Chromebook	4.09	4 Year Enhanced/Pro Hardware Support and 4 Year Battery Warranty	4yrPro+4yr battery	$280.00	U05LTE & U9UX1E (Must order both parts)	$92.00	5WS0V16387+ 5WS0N75551 (3 yr. battery)	$93.00
EDU Chromebook	4.10	AC Adapter / Power Supply	492-BCNW	$30.00	1MZ01AA	$20.00	4X20M26268	$36.00
EDU Chromebook	4.11	USB Headset for Students	A8419917	$10.00	5678641	$20.00	GXD1B60597	$15.00

EDU Chromebook Options			Dell		HP		Lenovo	
Configuration	Item Number	Peripheral Option Description	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
EDU Chromebook	4.12	EDU Chromebook Standard White Glove Services: Includes Asset Tagging, OS upgrading; Enrolling/Registering device in school system's Google domain	366-0469	$24.00	EDUWG4.12	$8.00	5MS1N39559	$12.00
EDU Chromebook	4.13	EDU Chromebook Medium Level White Glove Service: Includes Asset Tagging, Etching, OS upgrading; Enrolling/Registering device in school system's Google domain	366-8378	$42.00	EDUWG4.13	$9.00	5MS1N39560	$17.00
EDU Chromebook	4.14	Expanded EDU Chromebook OS Configuration Services: Includes Google enrollment, Asset tag, Asset Report, Laser Etching, Box Label, liftgate with Advance Notify, Depalletization, Inside Delivery, Trash Removal, Multi-Pack packaging	TBD	Contact Dell for quote	EDUWG4.14	$10.00	5MS1N39564	$20.00
EDU Chromebook	4.15	Etching	365-0777	$37.00	EDUETCH4.15	$5.00	5MS1N39566	$6.85
EDU Chromebook	4.16	Warehousing	TBD	Contact Dell for quote	EDUHOUS4.16	$2.00	5MS1N39565	$21.50

Monitor and Monitor Options Pricing

Monitor Models			Dell		HP		Lenovo	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Monitors	5.1a	Flat Panel Monitor, 24-inch (with USB-C Hub)	210-BBCH	$186.00	6N4D0AA	$187.00	63B3GAR6US	$239.00
	5.1a-ALT	ALTERNATE Flat Panel Monitor, 24-inch (with USB-C Hub)	210-BKRY	$239.00				
	5.1b	Flat Panel Monitor, 24-inch (no USB-C Hub) (should be "sister" monitor to 5.1a)	210-BBCC	$143.00	6N6E9AA	$148.00	63B4GAR6US	$199.00
	5.1b-ALT	ALTERNATE Flat Panel Monitor, 24-inch (no USB-C Hub) (should be "sister" monitor to ALTERNATE 5.1a-ALT)	210-BKRR	$202.00				
	5.2a	Flat Panel Monitor, 27-inch (with USB-C hub)	210-BDLJ	$245.00	6N4D3DP	$250.00	63A1ZAR1US	$374.00
	5.2a-ALT	ALTERNATE Flat Panel Monitor, 27-inch (with USB-C hub)	210-BKSJ	$311.00			63A3GAR1US	$279.00
	5.2b	Flat Panel Monitor, 27-inch (no USB-C hub)(should be "sister" monitor to 5.2a)	210-BDKG	$240.00	6N6F2AA	$221.00	63A2ZAR1US	$334.00
	5.2b-ALT	ALTERNATE Flat Panel Monitor, 27-inch (no USB-C hub)(should be "sister" monitor to ALTERNATE 5.2a-ALT)	210-BKSF	$291.00	6N4E2AA	$183.75		
	5.3	Flat Panel Monitor, 24-inch (High Resolution)	210-BDKE	$191.00	4Q8N4AA	$274.00	63B4GAR6US	$199.00
	5.4	Flat Panel Monitor, 27-inch (High Resolution, 4K)	210-BDLK	$310.00	6N4C4AA	$338.00	63A9ZAR1US	$434.00
	5.5	Flat Panel Monitor, 24-inch for Video Conferencing	210-BGLQ	$223.00	40Z32AA	$257.00	63D8MAR3US	$205.00
	5.6	Flat Panel Monitor, 27-inch for Video Conferencing	210-BGMF	$265.00	40Z29AA	$322.00	63D6UAR3US	$341.00
	5.7	34-inch Curved Monitor	210-BCEG	$397.00	21Y56AA	$364.00	63D4ZAR1US	$405.00

Monitor Models			Dell		HP		Lenovo	
Segment	**Item Number**	**Configuration**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
Monitors	5.7-ALT	ALTERNATE 34-inch Curved Monitor	210-BFOU	$552.00				
	5.8	38-40 inch Curved Monitor	210-BHSM	$799.00	3A6F7AA	$1,171.00	62DDGAR6US	$1,048.00
	5.9	Portable 14-inch Monitor	210-BHRQ	$228.00	1B065AA	$258.00	61DDUAR6US	$235.00
	5.10	Portable 15-inch Monitor					62CAUAR1US	$205.00
Monitor Option	5.11	Speaker Bar to work with all monitor configurations	AC235455	$32.25	5UU40AA (works with 5.1a, 5.1b, 5.2a, 5.2b, 5.4) 32C42AA (works with 5.3a)	$33.00 $59.00	0A36190	$23.00

Miscellaneous Cables and Options Pricing

Miscellaneous Cables and Options			Dell		HP		Lenovo		Microsoft	
Configuration	Item Number	Peripheral Option Description	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
All Desktop and Laptop Configurations	6.01	HDMI to HDMI Adapter	A7657890	$7.97	T6F94AA	$12.00	4X91D96900	$6.00		
All Desktop and Laptop Configurations	6.02	DisplayPort to HDMI Adapter	A9176308	$16.23	2JA63AA	$22.00	4X90R61023	$37.00		
All Desktop and Laptop Configurations	6.03	USB Gigabit Ethernet Dongle	A7126058	$25.79	4Z7Z7AA	$16.00	4X91D96891	$14.00		
All Desktop and Laptop Configurations	6.04	USB-C to USB-A 3.0 Adapter	470-ABNE	$8.38	N2Z63AA	$19.00	4X91C99226	$7.00		
All Desktop and Laptop Configurations	6.05	USB-C to Ethernet Adapter	750-BBKR	$26.23	4Z527AA	$24.00	4X91D96891	$14.00		
All Desktop and Laptop Configurations	6.06	USB-C to HDMI 4.0 Adapter	470-ABMZ	$21.79	1WC36AA	$20.00	4X90R61022	$39.00	HFP-00001	$43.99
All Desktop and Laptop Configurations	6.07	USB-C to DisplayPort Adapter	470-ACFC	$23.87	N9K78AA	$26.00	4X90J31021	$80.00	JWG-00001	$39.59
All Desktop and Laptop Configurations	6.08	External Hard Drive – 1 TB	AB407941	$50.00	3040842	$70.00	0A65621	$192.00		
All Desktop and Laptop Configurations	6.09	HDMI Cable 3ft (M/M)	A8061362	$7.97	T6F94AA	$12.00	4X91D96900	$6.00		
All Desktop and Laptop Configurations	6.10	DisplayPort to HDMI (4K) Active Adapter (M/F)	A7719636	$20.99	2JA63AA	$22.00	4X90R61023	$37.00		
All Desktop and Laptop Configurations	6.11	DP to DP cable	A7639742	$14.49	VN567AA	$10.00	4X91D97239	$11.00		

Miscellaneous Cables and Options			Dell		HP		Lenovo		Microsoft	
Configuration	**Item Number**	**Peripheral Option Description**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**	**Vendor Part Number**	**Volume Purchase Unit Price**
All Desktop and Laptop Configurations	6.12	DP to HDMI Cable	AA419443	$25.13	2JA63AA	$22.00	4X90R61023	$37.00		
All Desktop and Laptop Configurations	6.13	USB-C to USB-C 100w cable	AC251905	$30.00	5AR72AA	$17.00	4X90Q59480	$43.00		
All Desktop and Laptop Configurations	6.14	6-in-1 USB-C Multiport Adapter -	470-AFJI	$95.00	50H55AA	$68.00	4X90V55523	$51.00		
All Desktop and Laptop Configurations	6.15	Mini-DisplayPort to DisplayPort Adapter					4X91D96901	$19.00		

SECTION 3: Model Configurations

Section 3 of this document contains detailed technical specifications for the awarded items.

Desktop and Workstation Configurations

1.1a-b Standard Desktop (Intel)	Dell	HP	Lenovo
Description	Est 4 Year Lifecycle, Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc. Dual Digital Monitor Capable		
Vendor Model Number	Optiplex 7010 SFF	Pro SFF 400 G9	ThinkCentre M70s Gen 3
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i3-13100 (4 Cores/12MB/8T/3.4GHz to 4.5GHz/60W)	Intel Core i3-13100 (4 Cores/12MB/8T/3.4GHz to 4.5GHz/60W)	Intel® Core™ i3-12100 Processor (4-cores 3.30 GHz up to 4.30 GHz)
Trusted Platform Module	Yes	Yes	Yes
Memory	16GB (2x8GB) DDR4 3200 MHz, expandable to 64GB	16GB (2x8GB) DDR4 3200 UDIMM NECC Memory; expandable to 64.0 GB via replacing current dimms)	16 GB DDR4-3200MHz (UDIMM) - (2 x 8 GB), upgradeable up to 128GB DDR4-3200
Video Card	Intel Integrated Graphics	Integrated: Intel® UHD Graphics	Integrated Graphics with support for up to 2 Digital Monitors
1st Hard Drive	AGENCY CAN CHOOSE EITHER: M.2 2230 256GB PCIe NVMe Class 35 SSD OR M.2 2230 512GB PCIe NVMe Class 35 SSD	AGENCY CAN CHOOSE EITHER: 256GB M.2 2280 PCIe NVMe TLC SSD OR 512GB M.2 2280 PCIe NVMe TLC SSD	AGENCY CAN CHOOSE EITHER: 256GB SSD M.2 2280 PCIe Gen4 TLC OR 512GB SSD M.2 2280 PCIe Gen3 TLC
PCIe Slots	2 free slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	2 USB 2.0 ports, 2 USB 3.2 Gen 1 (front) 2 USB 3.2 Gen 1 ports (rear) 2 USB 2.0 ports with Smart Power On (rear)	Front- One (1) USB-C Port, Three (3) USB-A 10 Gbps Ports Rear- Two (2) USB-A 480Mbs, Three (3) USB-A 5Gbps"	Front Ports 2x USB 3.2 Gen 1 2x USB 3.2 Gen 2 1x USB-C 3.2 Gen 1 (15W charging) Rear Ports 4x USB 2.0
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Gigabit Ethernet, Intel Ethernet Connection I219-LM, 1x RJ-45, supports Wake-on-LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
Mouse	Dell MS116 Wired Mouse, Black - USB, 2- button, optical Mouse with scroll	HP Black 125 Wired Mouse	USB Calliope Mouse Black
Audio	Realtek Audio Controller, High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	HD Audio, Realtek® ALC897Q-CG codec
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Svc.	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified

1.1a-b Standard Desktop (Intel)	Dell	HP	Lenovo
Environmental	EPEAT Silver	EPEAT Gold	EPEAT Silver Registered
Unit dimensions and weight	(W) 3.65 x (D) 11.53, (H) 11.42; Weight 8.10lbs	10.6 x 3.7 x12.1 in; 9.25lbs	3.6 x 11.7 x 13.4 inches; 11.7lbs

1.2 Mid-Range Desktop (Intel Proc)	Dell	HP	Lenovo
Description	Est 6 year Lifecycle, General to Advanced Word Processing, Large Spreadsheets, Mail Viewing, PDF creation, Presentation Creation, etc. Dual Digital Monitor Capable		
Vendor Model Number	Optiplex 7010 SFF	Pro SFF 400 G9	ThinkCentre M80s Gen 3
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i5-13400 (6+4 Cores/20MB/16T/2.5GHz to 4.6GHz/65W)	Intel® Core™ i5-13500T with Intel® UHD Graphics 770 (1.2 GHz E-core base frequency, 1.6 GHz P-core base frequency, up to 3.2 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology	Intel® Core™ i5-12500 vPro® Processor (P-cores 3.00 GHz up to 4.60 GHz)
Trusted Platform Module	Yes	Yes	Yes
Memory	32GB (2x16GB) DDR4 3200 MHz, expandable to 64GB	32GB (2x16GB) DDR4 3200 UDIMM NECC Memory; expandable to 64.0 GB via replacing current dimms	32 GB DDR5-4400MHz (UDIMM) - (2 x 16 GB), upgradeable up to 128GB DDR4-3200
Video Card	AMD Radeon RX 6300 2GB GDDR6	NVIDIA T400 4GB w/2 mDP to DP Adapters	Intel® Iris® Xe MAX 100 2GB LPDDR4X
Cables / Connectors	Not included	Included in configuration are 2 mini-Displayport to Displayport Adapters	Not included
1st Hard Drive	M.2 2230 512GB PCIe NVMe Class 35 SSD	512GB PCIe-4x4 NVMe TLC Solid State Drive	512GB SSD M.2 2280 PCIe Gen4 TLC Opal
PCIe Slots	2 free slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	2 USB 2.0 ports, 2 USB 3.2 Gen 1 (front) 2 USB 3.2 Gen 1 ports (rear) 2 USB 2.0 ports with Smart Power On (rear)	Front- One (1) USB-C Port, Three (3) USB-A 10 Gbps Ports Rear- Two (2) USB-A 480Mbs, Three (3) USB-A 5Gbps	Front Ports: 1x USB-C 3.2 Gen 2 (support data transfer and 15W charging) 2x USB 3.2 Gen 1 2x USB 3.2 Gen 2 Rear Ports: 4x USB 3.2 Gen 1
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Gigabit Ethernet, Intel Ethernet Connection I219-LM, 1x RJ-45, supports Wake-on-LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
Mouse	Dell MS116 Wired Mouse, Black - USB, 2- button, optical Mouse with scroll	HP Black 125 Wired Mouse	USB Calliope Mouse Black
Audio	Realtek Audio Controller, High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	High Definition (HD) Audio, Realtek® ALC897Q-CG codec
Available Expansion Bays	None	None	None
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD

1.2 Mid-Range Desktop (Intel Proc)	Dell	HP	Lenovo
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Environmental	EPEAT Silver	EPEAT Gold	EPEAT Silver Registered
Unit dimensions and weight	(W) 3.65 x (D) 11.53, (H) 11.42; Weight 8.10lbs	10.6 x 3.7 x12.1in; 9.25lb	3.6 x 11.7 x 13.4 inches; 11.7lbs

1.3 Workstation 1 (i7 Proc)	Dell	HP	Lenovo
Description	Entry-Level GIS, CAD Design, 3D Modeling, Video Editing, Multiple Virtual Machines, Software Development, Engineering Tasks, Advanced System Management, etc. Support for up to 3 digital monitors		
Vendor Model Number	Precision 3660 Tower	HP Z2 SFF G9	ThinkStation P3 Tower
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i7-13700 processor (30MB Cache, 16 Core (8P+8E), 2.1GHz to 5.2GHz (65W))	Intel Core i7-13700 processor (30MB Cache, 16 Core (8P+8E), 2.1GHz to 5.2GHz (65W))	Intel Core i7-13700 processor (30MB Cache, 16 Core (8P+8E), 2.1GHz to 5.2GHz (65W))
Trusted Platform Module	Yes	Yes	Yes
Memory	64GB, 2x32GB, DDR5 up to 4400MHz UDIMM non-ECC memory, expandable to 128GB	64GB (2x32GB) DDR5 4800 UDIMM NECC Memory; expandable to 128GB Via (4) 32GB dimms	64GB (32 GB DDR5-4400MHz x2) (UDIMM), upgradeable up to 128GB (4x 32GB DDR5 UDIMM)
Video Card	Nvidia T400 4GB GDDR6, 3 mDP to DP adapter	NVIDIA T400 4 GB 3mDP Graphics	NVIDIA T400 4 GB 3mDP Graphics
Cables / Connectors	Includes 3 mDP to DP adapters	Includes 4 mDP to DP adapters	2 x mDP to DP dongles (4X91D96901 Order Separately)
1st Hard Drive	1TB PCIe NVMe Class 40 M.2 SSD	1TB PCIe-4x4 2280 Value M.2 Solid State Drive	1 TB SSD M.2 2280 PCIe Gen4 Performance TLC Opal with RAID support
PCIe Slots	Three (3) free slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	Front Ports: 2x USB 3.2 Type A Gen1 1x USB 3.2 Type C Gen2 (10Gbps) 1x USB 3.2 Type C Gen2 (20Gbps) Rear Ports: 2x USB 2.0 2x USB 3.2 Gen2 (10Gbps) 2x USB 3.2 Type C Gen2 (20Gbps)	Front Ports: (1) USB-C Power Deliver, (4) USB-A 10 Gbps Rear Ports: (2) USB-A 10Gbps, (1) USB-A 5Gbps, (3) USB-A 480 Mbps	Front Ports 2x USB 3.2 Gen 1 2x USB 3.2 Gen 2 1x USB-C® 3.2 Gen 2 Rear Ports 4x USB 3.2 Gen 1 (one supports Smart Power On)
Integrated NIC	Intel® Ethernet Connection I219-LM 10/100/1000	Integrated Intel® I219-LM GbE	Integrated Ethernet (10/100/100), Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
Mouse	Dell MS116 Wired Mouse - USB, 2- button, optical Mouse with scroll	HP Wired 320M Mouse	USB Calliope Mouse Black
Audio	Universal Audio Port; Realtek Audio Controller	Realtek ALC3252	High Definition (HD) Audio, Realtek® ALC897Q-CG codec
Expansion Bays	(3) Internal Bays	One (1) available	One (1) available
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Years	3 Year HP Carepack for Disk Retention Service	3YR KYD
Certification	ISV Certified	ISV Certified	ISV Certified
Energy Consumption	Yes, Energy Star	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Gold	EPEAT Gold	EPEAT Gold
Unit dimensions and weight	(H) 14.52in (W) 6.81in (D) 16.53in Weight 18.74lbs	3.95x 15.1x 12.1 in; 11.1lbs	7.09 x 14.57 x 16.34 inches Weight 29.9lbs, maximum configuration

1.4a Workstation 2 (i9 Proc)	Dell	HP	Lenovo
Description	Entry-Level GIS, CAD Design, 3D Modeling, Video Editing, Multiple Virtual Machines, Software Development, Engineering Tasks, Advanced System Management, etc. Support for up to 3 digital monitors		
Vendor Model Number	Precision 3660 Tower	HP Z2 SFF G9	ThinkStation P3 Tower
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel® Core™ i9-13900K (36MB Cache, 24 Core (8+16), 3.0GHz to 5.8GHz (125W)) TDP	Intel® Core™ i9-13900K (36MB Cache, 24 Core (8+16), 3.0GHz to 5.8GHz (125W)) TDP	Intel® Core™ i9-13900K (36MB Cache, 24 Core (8+16), 3.0GHz to 5.8GHz (125W)) TDP
Trusted Platform Module	Yes	Yes	Yes
Memory	64GB, 2x32GB, DDR5 up to 4400MHz UDIMM non-ECC memory, Expandable to 128 GB	64GB (2x32GB) DDR5 4800 UDIMM NECC Memory; expandable to 128GB Via (4) 32GB dimms	64GB (32 GB DDR5-4400MHz x2) (UDIMM), upgradeable up to 128GB (4x 32GB DDR5 UDIMM)
Video Card	Nvidia T1000 8GB, 8GB, 4 mDP to DP adapter	NVIDIA T1000 8 GB 4mDP Graphics	NVIDIA® T1000 8GB GDDR6
Cables / Connectors	Includes 3 mDP to DP adapters	Includes 4 mDP to DP adapters	2 x mDP to DP dongles (4X91D96901 Order Separately)
1st Hard Drive	1TB PCIe NVMe Class 40 M.2 2280 SSD	1TB PCIe-4x4 2280 Value M.2 Solid State Drive	1TB PCIe-4x4 2280 Value M.2 Solid State Drive
PCIe Slots	Three (3) free slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	Front Ports: 2x USB 3.2 Type A Gen1 1x USB 3.2 Type C Gen2 (10Gbps) 1x USB 3.2 Type C Gen2 (20Gbps) Rear Ports: 2x USB 2.0 2x USB 3.2 Gen2 (10Gbps) 2x USB 3.2 Type C Gen2 (20Gbps)	Front Ports: (1) USB-C Power Deliver, (4) USB-A 10 Gbps Rear Ports: (2) USB-A 10Gbps, (1) USB-A 5Gbps, (3) USB-A 480 Mbps	Front Ports 2x USB 3.2 Gen 1 2x USB 3.2 Gen 2 1x USB-C® 3.2 Gen 2 Rear Ports 4x USB 3.2 Gen 1 (one supports Smart Power On)
Integrated NIC	Intel Ethernet Connection I219-LM 10/100/1000	Integrated Intel® I219-LM GbE	Integrated Ethernet (10/100/100), Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
Mouse	Dell MS116 Wired Mouse - USB, 2- button, optical Mouse with scroll	HP Wired 320M Mouse	USB Calliope Mouse Black
Audio	Universal Audio Port; Realtek Audio Controller	Realtek ALC3252	High Definition (HD) Audio, Realtek® ALC897Q-CG codec
Expansion Bays	(3) Internal Bays	One (1) available	One (1) available
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Years	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Certification	ISV Certified	ISV Certified	ISV Certified
Energy Consumption	Yes, Energy Star	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Gold	EPEAT Gold	EPEAT Gold
Unit dimensions and weight	(H) 14.52in (W) 6.81in (D) 16.53in Weight 18.74lbs	3.95x 15.1x 12.1 in; 11.1lbs	7.09 x 14.57 x 16.34 inches Weight 29.9lbs, maximum configuration

1.4b Workstation 2 (AMD Proc)	Dell	HP	Lenovo
Description	Entry-Level GIS, CAD Design, 3D Modeling, Video Editing, Multiple Virtual Machines, Software Development, Engineering Tasks, Advanced System Management, etc. Support for up to 3 digital monitors		
Vendor Model Number	Precision 7865 Tower		
Operating System	Windows 11 Pro 64 bit		
Processor	AMD Ryzen Threadripper PRO 5965WX (128 MB cache, 24 cores, 48 threads, 3.8GHz to 4.5GHz, 280 W)		
Trusted Platform Module	Yes		
Memory	64GB, 2x32GB, DDR4, 3200MHz, RDIMM ECC, expandable to 128GB		
Video Card	Nvidia T1000 8GB, 8GB, 4 mDP to DP adapter		
Cables / Connectors	Includes 4 mDP to DP adapters		
1st Hard Drive	1TB PCIe NVMe Class 40 M.2 2280 SSD		
PCIe Slots	(4) Free PCIe slots are available (one 16 lane and three 8 lane)		
USB Ports	Front Ports: 2x USB 3.2 Type A Gen1 1x USB 3.2 Gen 2 Type-C port with PowerShare 1x USB 3.2 Type C Rear Ports: 3x USB 3.2 Gen 2 Type-C ports 2x USB 3.2 Gen1 1x USB 3.2 Gen 1 Type-C port with PowerShare		
Integrated NIC	Integrated 1GB/10GB NIC		
Keyboard	Dell KB216 Wired Multi-Media Keyboard		
Mouse	Dell MS116 Wired Mouse - USB, 2- button, optical Mouse with scroll		
Audio	Realtek Audio Controller, ALC4050-CG Internal speakers		
Expansion Bays	(3) Internal Bays		
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years		
Keep Hard Drive	Keep Your Hard Drive, 3 Years		
Certification	ISV Certified		
Energy Consumption	Yes, Energy Star		
Environmental	EPEAT Gold		
Unit dimensions and weight	(H) 16.45in (W) 6.94in (D) 17.79in Weight 35.5lbs		

1.5a-b Micro/Tiny (Intel i3 Proc, 256GB HD)	Dell	HP	Lenovo
Description	Compact business class PC designed for basic tasks such as Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc.		
Vendor Model Number	OptiPlex 7010 Micro	HP Pro Mini 400 G9	ThinkCentre M70q Gen 4
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i3-13100T (4+0 Cores/12MB/8T/2.5GHz to 4.2GHz/35W)	Intel Core i3-13100T (4+0 Cores/12MB/8T/2.5GHz to 4.2GHz/35W)	Intel Core i3-13100T (4+0 Cores/12MB/8T/2.5GHz to 4.2GHz/35W)
Trusted Platform Module	Yes	Yes	Yes
Memory	16GB (1x16GB) DDR4 non ECC memory with free slot, expandable to 64.0GB	16GB (2x8GB) DDR4 3200 UDIMM NECC Memory; expandable to 64.0 GB via replacing current dimms	16 GB DDR4-3200MHz (SODIMM), upgradeable up to 64GB DDR4-3200
Video Card	Intel Integrated Graphics	Integrated: Intel® UHD Graphics	Integrated Graphics with support for up to 2 Digital Monitors
1st Hard Drive	AGENCY CAN CHOOSE EITHER: M.2 2230 256GB PCIe NVMe Class 35 SSD OR M.2 2230 512GB PCIe NVMe Class 35 SSD	AGENCY CAN CHOOSE EITHER: M.2 2230 256GB PCIe NVMe Class 35 SSD OR M.2 2230 512GB PCIe NVMe Class 35 SSD	AGENCY CAN CHOOSE EITHER: M.2 2230 256GB PCIe NVMe Class 35 SSD OR M.2 2230 512GB PCIe NVMe Class 35 SSD
PCIe Slots	N/A	N/A	N/A
USB Ports	Front Ports: 2 USB 3.2 Gen 1 Rear Ports: 2 USB 3.2 Gen 1 ports 1 USB 2.0 1 USB 2.0 ports with Smart Power On (rear)	Front Ports: One (1) USB-C Port, Two (2) USB-A 10 Gbps Rear Ports: Standard Two (2) USB-A 5Gbps, One (1) USB-A 10bps; Added Two (2) USB-A 480Mbps	Front Ports 1x USB 3.2 Gen 2 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging) 1x USB-C 3.2 Gen 1 (support data transfer and 5V@0.9A charging) Rear Ports 1x USB 2.0 1x USB 3.2 Gen 1 2x USB 3.2 Gen 2
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Integrated Ethernet (10/100/100), Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
Mouse	Dell MS116 Wired Mouse, Black - USB, 2-button, optical Mouse with scroll	HP Black 125Mouse	USB Calliope Mouse Black
Audio	Realtek Audio Controller, High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	HD Audio, Realtek® ALC256VB codec
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD

1.5a Micro/Tiny (Intel i3 Proc, 256GB HD)	Dell	HP	Lenovo
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Environmental	EPEAT Registered Gold	EPEAT Gold	EPEAT Gold rating
Unit dimensions and weight	(W) 1.42, (D) 7.00, (H) 7.17, Weight 2.95lbs	6.97 x 6.89 x 1.34 in; 3.13lb	7.05 x 7.2 x 1.44 inches; 2.76lbs

1.6 Micro/Tiny (Intel i5 Proc, 512GB HD, Wireless Card)	Dell	HP	Lenovo
Description	Compact business class PC designed for basic tasks such as Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc.		
Vendor Model Number	OptiPlex 7010 Micro	HP Pro Mini 400 G9	ThinkCentre M80q Gen 4
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i5-13500T (6+8 Cores/24MB/20T/1.6GHz to 4.6GHz/35W)	Intel Core i5-13500T (6+8 Cores/24MB/20T/1.6GHz to 4.6GHz/35W)	Intel Core i5-13500T (6+8 Cores/24MB/20T/1.6GHz to 4.6GHz/35W)
Trusted Platform Module	Yes	Yes	Yes
Memory	16GB (1x16GB) DDR4 non ECC memory with free slot, expandable to 64.0GB	16GB (2x8GB) DDR4 3200 UDIMM NECC Memory; expandable to 64.0 GB via replacing current dimms	16 GB DDR5-4800MHz (SODIMM), upgradeable up to 64GB DDR4-3200
Video Card	Intel Integrated Graphics	Integrated: Intel® UHD Graphics	Integrated Graphics with support for 2 independent displays
1st Hard Drive	M.2 2230 512GB PCIe NVMe Class 35 SSD	512GB PCIe-4x4 NVMe TLS Solid State Drive	512GB SSD M.2 2280 PCIe Gen4 TLC Opal
PCIe Slots	N/A	N/A	N/A
USB Ports	Front Ports: 2 USB 3.2 Gen 1 Rear Ports: 2 USB 3.2 Gen 1 ports 1 USB 2.0 1 USB 2.0 ports with Smart Power On (rear)	Front Ports: One (1) USB-C Port, Two (2) USB-A 10 Gbps Rear Ports: Standard Two (2) USB-A 5Gbps, One (1) USB-A 10bps; Added Two (2) USB-A 480Mbps	Front Ports: 1x USB 3.2 Gen 2 1x USB 3.2 Gen 2 (Always On and 5V@2.1A charging) 1x USB-C 3.2 Gen 2 Rear Ports: 2x USB 3.2 Gen 1 (one supports Smart Power On) 2x USB 3.2 Gen 2
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Integrated Ethernet (10/100/100), Wake on LAN
Internal Wireless Card	Intel AX211 Wi-Fi 6E 2x2 wireless	Intel AX211 Wi-Fi 6e Vpro 160 MHz + Bluetooth 5.3 WLAN	Intel® Wi-Fi 6 AX201 2x2 AX & Bluetooth® 5.1 or above
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
Mouse	Dell MS116 Wired Mouse, Black - USB, 2- button, optical Mouse with scroll	HP Black 125Mouse	USB Calliope Mouse Black
Audio	Realtek Audio Controller, High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	HD Audio, Realtek® ALC256VB codec
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Environmental	EPEAT Registered Gold	EPEAT Gold	EPEAT Gold rating
Unit dimensions and weight	(W) 1.42, (D) 7.00, (H) 7.17, Weight 2.95lbs	6.97 x 6.89 x 1.34 in; 3.13lb	7.05 x 7.2 x 1.44 inches; 2.76lbs

Portable/Laptop Configurations

2.1a-b Standard Laptop (Intel)	Dell	HP	Lenovo	Microsoft
Description	General Purpose Business Class Laptop, support for up to 3 monitors (including laptop screen)			
Vendor Model Number	Latitude 3440	Probook 440 G10	ThinkPad E14 Gen 5	Surface Laptop 5 15” **(Available in Black or Platinum)**
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel® Core™ i5-1335U (12MB cache,10 cores up to 4.60 GHZ turbo)	Intel® Core™ i5-1335U (12MB cache,10 cores up to 4.60 GHZ turbo)	Intel® Core™ i5-1335U (12MB cache,10 cores up to 4.60 GHZ turbo) **(16GB model)** Intel® Core™ i5-13500H Processor (E-cores up to 3.50 GHz P-cores up to 4.70 GHz) **(32GB model)**	Intel® Core™ i7-1265U processor
Trusted Platform Module	Yes	Yes	Yes	Yes
Memory	16.0GB (2 x 8), expandable to 32.0GB	16GB (2x8GB) DDR4 3200, expandable to 32.0GB if the current memory is replaced with (2x16GB) models.	16 GB DDR4-3200MHz (8 GB Soldered + 8 GB SODIMM) ***Note: Laptop has one memory slot. If 32GB is needed, purchase either of the following:*** ***PT# 21JLS0U500, cost - $836.00*** ***(ThinkPad E14 G5 32GB, non-touch)*** ***or*** ***PT# 21JLS0U300, cost - $886.00*** ***(ThinkPad E14 G5 32GB, touchscreen)***	16.0GB **(not expandable)**
Video	Intel Integrated Graphics	Intel® UHD Graphics	Integrated Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics
Video Display	AGENCY CAN CHOOSE EITHER: 14" FHD (1920 x 1080) AG **Non-Touch**, 250nits, Camera w/shutter & Microphone, WLAN Capable OR 14" FHD (1920 x 1080) AG Embedded **Touch**, 300 nits, HD+IR Camera w/shutter & Microphone, WLAN	AGENCY CAN CHOOSE EITHER: 14 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent **(Non-Touch)** OR 14 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent **(Touchscreen)**	AGENCY CAN CHOOSE EITHER: 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, Narrow Bezel **(Non-Touch**) OR 14" WUXGA (1920 x 1200), IPS, Anti-Glare, **Touch**, 45%NTSC, 300 nits	15” PixelSense™ Display Resolution: 2496 x 1664 (201 PPI) Gorilla® Glass 5 Aspect ratio: 3:2 Surface Pen* enabled Touchscreen

2.1a-b Standard Laptop (Intel)	Dell	HP	Lenovo	Microsoft
Hard Drive	M.2 512GB PCIe NVMe SSD	AGENCY CAN CHOOSE EITHER: 256GB PCIe NVMe SSD OR 512GB PCIe NVMe Value SSD	AGENCY CAN CHOOSE EITHER: 256GB PCIe NVMe SSD OR 512GB PCIe NVMe Value SSD	512GB SSD
USB Ports	1 USB 3.2 Gen 2x2 Type-C port with DisplayPort alt mode/ Power Delivery 2 USB 3.2 Gen 1 port 1 USB 3.2 Gen 1 port w/PowerShare	(2) USB Type-A 5Gbps	1x USB 2.0 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4) 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	1 x USB-C® with USB 4.0/Thunderbolt™ 4 1 x USB-A 3.1
HDMI or DisplayPort or USB-C	HDMI 1.4a	(1) HDMI, (2) USB Type-C®	1x HDMI 2.1, up to 4K/60Hz 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	Configuration includes USB-C to Display Port Adapter (JWG-00001) *(USB-C to HDMI Adapter (HFP-00001) may be purchased separately)*
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	Integrated Ethernet Port	1x Ethernet (RJ-45)	USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
Bluetooth	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.1	Bluetooth® Wireless 5.1 technology
Internal Wireless Adapter	Intel Wi-Fi 6E (6 if 6E unavailable) AX211, 2x2, 802.11ax, Bluetooth	Intel AX211 W-Fi 6E + BT	Intel® Wi-Fi 6 AX201 2x2 AX & Bluetooth® 5.1 or above	Wi-Fi 6: 802.11ax compatible
Webcam	Integrated 1080p FHD, camera shutter, single integrated microphone	720p HD, includes shutter	HD 720p, with privacy shutter, fixed focus	720p HD front facing camera
Power	65W AC Rugged Adapter, USB Type-C	65 Watt Smart nPFC Right Angle AC Adapter w/ 1m cord	65W USB-C Low Cost 90% PCC 2pin AC Adapter - US	AC Power Supply with 6' cord
Audio	Internal Speaker	Dual Stereo Speakers	Stereo speakers, 2W x2, Dolby® Atmos®	Omnisonic® Speakers with Dolby® Atmos®7
Battery	3 Cell, 42 Wh, ExpressCharge™ Capable	Long Life 42Whr Fast Charge 3 cell Battery, up to 11 hours 30 minutes	Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) MobileMark® 2018: up to 11.2 hr @200nits	47.4Wh, up to 17 hours
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00162)
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD	Included with 3 Year warranty part above
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Environmental	EPEAT® Gold	EPEAT GOLD	EPEAT Gold	EPEAT Gold
Unit dimensions and weight	Height: 0.73 in, Width: 12.7 in, Depth: 8.6 in., 3.42lbs.	12.67 x 8.42 x 0.78 in; 3.03 lb	12.32 x 8.63 x 0.71 inches; 3.11lbs	13.4” x 9.6” x 0.58”, 3.44 lb.

2.1b Standard Laptop (Intel) (ALTERNATE MODEL)	Dell	HP	Lenovo	Microsoft
Description	General Purpose Business Class Laptop, support for up to 3 monitors (including laptop screen)			
Vendor Model Number				Surface Laptop 5 13.5”
Operating System				Windows 11 Pro 64 bit
Processor				Intel® Core™ i5-1245U processor (256GB SSD Model) Intel® Core™ i7-1265U processor (512GB SSD Model)
Trusted Platform Module				Yes
Memory				16.0GB **(not expandable)**
Video				Intel® Iris® Xe Graphics
Video Display				Screen: 13.5” PixelSense™ Display Resolution: 2256 x 1504 (201 PPI) Gorilla® Glass 5 display on laptop with metal keyboard finish
Hard Drive				AGENCY CAN CHOOSE EITHER: 256GB PCIe NVMe SSD OR 512GB PCIe NVMe Value SSD
USB Ports				1 x USB-C® with USB 4.0/Thunderbolt™ 4 1 x USB-A 3.1
HDMI or DisplayPort or USB-C				Configuration includes USB-C to Display Port Adapter (JWG-00001) *(USB-C to HDMI Adapter (HFP-00001) may be purchased separately)*
Integrated NIC Port or Mobile Ethernet Adapter included				USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
Bluetooth				Bluetooth® Wireless 5.1 technology
Internal Wireless Adapter				Wi-Fi 6: 802.11ax compatible
Webcam				720p HD front facing camera
Power				AC Power Supply with 6' cord
Audio				Omnisonic® Speakers with Dolby® Atmos®7
Battery				Up to 18 hours of typical device usage

2.1b Standard Laptop (Intel) (ALTERNATE MODEL)	Dell	HP	Lenovo	Microsoft
Hardware Warranty				3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00162)
Keep Hard Drive				Included with 3 Year warranty part above
Energy Consumption				ENERGY STAR® certified
Environmental				EPEAT Gold
Unit dimensions and weight				Length: 12.1 inch (308 mm) Width: 8.8 inch (223 mm) Height: .57 inch (14.5 mm)

2.2a-b Standard Laptop (AMD)	Dell	HP	Lenovo	Microsoft
Description	General Purpose Business Class Laptop, support for up to 3 monitors (including laptop screen)			
Vendor Model Number		ProBook 445 G10	ThinkPad E14 Gen 5	
Operating System		Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
Processor		AMD Ryzen™ 5 7530U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)	AMD Ryzen™ 5 7530U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)	
Trusted Platform Module		Yes	Yes	
Memory		16GB (2x8GB) DDR4 3200, expandable to 32.0GB if the current memory is replaced with (2x16GB) models.	16 GB DDR4-3200MHz (8 GB Soldered + 8 GB SODIMM ***Note: Laptop has one memory slot. If 32GB is needed, purchase either of the following:*** ***PT# 21JSS0K800, cost - $756.00*** ***(ThinkPad E14 G4 40GB, non-touch)*** ***or*** ***PT# 21JSS0KB00, cost - $806.00*** ***(ThinkPad E14 G4 40GB, touchscreen)***	
Video		Integrated: AMD Radeon™ Graphics	AMD Integrated Graphics	
Video Display		AGENCY CAN CHOOSE EITHER: 14 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent **(Non-Touch)** OR 14 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent (**Touchscreen)**	AGENCY CAN CHOOSE EITHER: 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, Narrow Bezel **(Non-Touch**) OR 14" WUXGA (1920 x 1200), IPS, Anti-Glare, **Touch**, 45%NTSC, 300 nits	
Hard Drive		AGENCY CAN CHOOSE EITHER: 256GB PCIe NVMe SSD OR 512GB PCIe NVMe Value SSD	AGENCY CAN CHOOSE EITHER: 256GB PCIe NVMe SSD OR 512GB PCIe NVMe Value SSD	
USB Ports		(3) SuperSpeed USB Type-A 5Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	

2.2a-b Standard Laptop (AMD)	Dell	HP	Lenovo	Microsoft
			1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	
HDMI or DisplayPort or USB-C		(1) HDMI, (2) USB Type-C®	1x HDMI 2.1, up to 4K/60Hz 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
Integrated NIC Port or Mobile Ethernet Adapter included		Integrated Ethernet Port	1x Ethernet (RJ-45)	
Bluetooth		Bluetooth 5.3	Bluetooth 5.1	
Internal Wireless Adapter		Mediatek RZ616 Wi-Fi AIM-T 160	WiFi 6 802.11AX (2 x 2), Bluetooth Version 5.1	
Webcam		720p HD Camera	HD 720p, with privacy shutter, fixed focus	
Power		65 Watt Smart nPFC Right Angle AC Adapter w/ 1m cord	65W USB-C Low Cost 90% PCC 2pin AC Adapter - US	
Audio		Dual Stereo Speakers	Stereo speakers, 2W x2, Dolby® Atmos®	
Battery		Long Life 42Whr Fast Charge 3 cell Battery up to 17 hrs 45 min	Integrated Li-Polymer 47Wh battery, supports Rapid Charge (charge up to 80% in 1hr) MobileMark 2018: up to 13.73 hr @200nits	
Hardware Warranty		Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
Keep Hard Drive		Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD	
Energy Consumption		ENERGY STAR® certified	ENERGY STAR® certified	
Environmental		EPEAT GOLD	EPEAT Gold	
Unit dimensions and weight		12.67 x 8.42 x 0.78 in; 3.05lbs	12.32 x 8.63 x 0.71 inches; 3.11lbs	

2.3a-b High End Laptop (Intel U Processor, non-vPro)	Dell	HP	Lenovo	Microsoft
Description	Business Class Laptop designed for increased performance and productivity			
Vendor Model Number	Latitude 3540	HP Elitebook 650 G10	ThinkPad L15 Gen 4	Surface Laptop 5 15"
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i7-1355U (12 MB cache, 10 cores, up to 5.00 GHz Turbo)	Intel Core i7-1355U (12 MB cache, 10 cores, up to 5.00 GHz Turbo)	Intel Core i7-1355U (12 MB cache, 10 cores, up to 5.00 GHz Turbo)	Intel® Core™ i7-1265U processor (12MB Cache, up to 4.80 GHz, 10 cores, 12 threads)
Trusted Platform Module	Yes	Yes	Yes	Yes
Memory	32.0GB (2X16GB), DDR4, 3200MT/s, expandable to 64.0GB	32GB (2x16GB) DDR4 3200; support up to 64GB with Dimm replacement	32GB(16+16) DDR4 3200MHz SoDIMM, upgradeable up to 64GB DDR4-3200	32.0GB LPDDR5x RAM **(not expandable)**
Video	Intel Iris Xe Graphics	Intel UHD Graphics	Integrated Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics
Video Display	AGENCY CAN CHOOSE EITHER: 15.6" FHD (1920 x 1080) Anti-Glare **Non-Touch**, 250nits, Camera w/shutter & Microphone, WLAN Capable OR 15.6" FHD (1920 x 1080) Anti-Glare Embedded **Touch**, 250 nits, FHD+IR Camera w/shutter & Microphone, WLAN	AGENCY CAN CHOOSE EITHER: 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent **(Non-Touch)** OR 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent (**Touchscreen)**	AGENCY CAN CHOOSE EITHER: 15.6"" FHD (1920 x 1080), IPS, Anti-Glare, Non-Touch, 45%NTSC, 250 nits, 60Hz **(Non-Touch)** OR 15.6" FHD (1920 x 1080), IPS, Anti-Glare, **Touch**, 300 nits	Screen: 15” PixelSense™ Display Resolution: 2496 x 1664 (201 PPI) Aspect ratio: 3:2 Surface Pen* enabled
Hard Drive	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe TLC SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	1TB SSD
USB Ports	2 USB 3.2 Gen 1 port 1 USB 3.2 Gen 1 port with PowerShare 1 USB Type-C 3.2 Gen2 with Power Delivery & DisplayPort	(2) USB-A 5 Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4) 1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	1 x USB-C 4.0/Thunderbolt™ 1 x USB-A 3.1
HDMI or DisplayPort OR One (1) USB-C Port	HDMI 1.4a	(1) HDMI; (1) USB-C	1x HDMI 2.1, up to 4K/60Hz 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	1 x USB-C Configuration includes USB-C to Display Port Adapter (JWG-00001) *(USB-C to HDMI Adapter (HFP-00001) may be purchased separately)*

2.3a-b High End Laptop (Intel U Processor, non-vPro)	Dell	HP	Lenovo	Microsoft
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	Integrated Ethernet Port	1x Ethernet (RJ-45)	USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
Bluetooth	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.1	Bluetooth 5.1
Internal Wireless Adapter	Intel Wi-Fi 6E AX211, 2x2, 802.11ax, Bluetooth wireless card	Intel AX 211Wi-Fi 6E + BT	Intel® Wi-Fi 6 AX201 2x2 AX & Bluetooth® 5.0 or above with vPro®	Wi-Fi 6: 802.11ax compatible
Webcam	720p at 30 fps HD camera, Dual-array microphones with camera shutter	720p HD, includes shutter	HD 720p, with privacy shutter, fixed focus	720p HD f2.0 camera (front-facing)
Audio	Internal Speaker	Dual stereo speakers	Stereo speakers, 2W x2, Dolby® Audio™	Omnisonic Speakers with Dolby Atmos
Power	65W AC rugged Adapter, USB Type-C w/ 3' power cord	65 Watt Smart nPFC Right Angle AC Adapter w/ 1m cord	65W USB-C Low Cost 90% PCC 2pin AC Adapter - US	AC Power Supply with 6' cord
Battery	3 Cell, 42 Wh, ExpressCharge™ Capable	Long Life 51Whr Fast Charge 3 cell Battery up to 13 hours and 15 minutes	Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter MobileMark® 25: up to 11.5 hr @250nits	47.4Wh, up to 17 hours
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00162)
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	Included with 3 Year warranty part above
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Environmental	EPEAT® Gold	EPEAT GOLD	EPEAT Gold	EPEAT Gold
Unit dimensions and weight	Height 0.71, Width 14.1, Depth 9.4 weight 3.99lbs	14.14 x 9.2 x 0.78 in; 3.94lbs	14.18 x 9.33 x 0.78 inches; 3.91lbs.	13.4” x 9.6” x 0.58”, 3.44 lbs.

2.3b High End Laptop (Intel U Processor, non-vPro) (ALTERNATE MODEL)	Dell	HP	Lenovo	Microsoft
Description	Business Class Laptop designed for increased performance and productivity			
Vendor Model Number				Surface Laptop Studio
Operating System				Windows 11 Pro 64 bit
Processor				Intel® Quad Core™ H35 i7-11370H Processor
Trusted Platform Module				Yes
Memory				32.0GB LPDDR5x RAM **(not expandable)**
Video				Model Number: AIC-00001 NVIDIA RTX A2000 (4GB) Model Number: ADI-00001 NVIDIA GeForce RTX 3050 Ti (4GB)
Video Display				Screen: 14.4”3 PixelSense™ Flow Display Refresh rate: up to 120Hz Resolution: 2400 x 1600 (201 PPI) Aspect ratio: 3:2 Contrast ratio: 1500:1 Touch: 10-point multi-touch Dolby Vision® support4
Hard Drive				1TB SSD
USB Ports				2 x USB 4.0 with Thunderbolt™ 4 technologies support
HDMI or DisplayPort OR One (1) USB-C Port				1 x USB-C Configuration includes USB-C to Display Port Adapter (JWG-00001) *(USB-C to HDMI Adapter (HFP-00001) may be purchased separately)*
Integrated NIC Port or Mobile Ethernet Adapter included				USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
Bluetooth				Bluetooth 5.1
Internal Wireless Adapter				Wi-Fi 6: 802.11ax compatible
Webcam				1080p resolution front facing camera
Audio				Omnisonic Speakers with Dolby Atmos
Power				AC Power Supply with 6' cord
Battery				Up to 18 hours of typical device usage
Hardware Warranty				3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00226)

2.3b High End Laptop (Intel U Processor, non-vPro) (ALTERNATE MODEL)	Dell	HP	Lenovo	Microsoft
Keep Hard Drive				Included with 3 Year warranty part above
Energy Consumption				ENERGY STAR® certified
Environmental				EPEAT Gold
Unit dimensions and weight				12.72” x 8.98” x 0.746”; 4.01lbs

2.3c-d High End Laptop (AMD Processor, non-vPro)	Dell	HP	Lenovo	Microsoft
Description	Business Class Laptop designed for increased performance and productivity			
Vendor Model Number		HP Elitebook 655 G10	ThinkPad L15 Gen 4	
Operating System		Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
Processor		AMD Ryzen™ 7 PRO 7730U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)	AMD Ryzen™ 7 PRO 7730U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)	
Trusted Platform Module		Yes	Yes	
Memory		32GB (2x16GB) DDR4 3200; support up to 64GB with Dimm replacement	32GB(16+16) DDR4 3200MHz SoDIMM, upgradeable up to 64GB DDR4-3200	
Video		Integrated: AMD Radeon™ Graphics	AMD Integrated Graphics	
Video Display		AGENCY CAN CHOOSE EITHER: 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent **(Non-Touch)** OR 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent (**Touchscreen)**	AGENCY CAN CHOOSE EITHER: 15.6" FHD (1920 x 1080), IPS, Anti-Glare, Non-touch, 250 nits **(Non-Touch)** OR 15.6" FHD (1920 x 1080), IPS, Anti-Glare, **Touch**, 300 nits	
Hard Drive		512GB PCIe NVMe TLC SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	
USB Ports		(3) USB Type-A 5Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 2x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	
HDMI or DisplayPort OR One (1) USB-C Port		(1) HDMI; (1) USB-C	1x HDMI 2.1, up to 4K/60Hz 2x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
Integrated NIC Port or Mobile Ethernet Adapter included		Integrated Ethernet Port	1x Ethernet (RJ-45)	
Bluetooth		Bluetooth 5.3	Bluetooth 5.1	
Internal Wireless Adapter		Intel AX 211Wi-Fi 6E + BT	Wi-Fi 6E RZ616 2x2 AX & Bluetooth® 5.1 or above	

2.3c-d High End Laptop (AMD Processor, non-vPro)	Dell	HP	Lenovo	Microsoft
Webcam		720p HD, includes shutter	FHD 1080p + IR hybrid, with privacy shutter, fixed focus	
Audio		Dual stereo speakers	Stereo speakers, 2W x2, Dolby Audio	
Power		65 Watt Smart nPFC Right Angle AC Adapter w/ 1m cord	65W USB-C Low Cost 90% PCC 2pin AC Adapter - US	
Battery		Long Life 51Whr Fast Charge 3 cell Battery up to 13 hours and 15 minutes	Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter MobileMark 25: up to 12.18 hr with 607 performance score @250nits	
Hardware Warranty		Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
Keep Hard Drive		Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
Energy Consumption		ENERGY STAR® certified	ENERGY STAR® certified	
Environmental		EPEAT GOLD	EPEAT Gold	
Unit dimensions and weight		14.14 x 9.2 x 0.78 in; 3.90lbs	14.18 x 9.33 x 0.78 inches; 3.91lbs.	

2.4a-b High End Laptop 2 (Intel P Processor, vPro)	Dell	HP	Lenovo	Microsoft
Description	Business Class Laptop designed for increased performance and productivity			
Vendor Model Number	Latitude 5540	Elitebook 650 G10	ThinkPad L15 Gen 4	
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
Processor	Intel Core i7-1370P, (24 MB cache, 14 cores, 20 threads, up to 5.20 GHz Turbo), supports Intel® vPro® Technology	Intel Core i7-1370P, (24 MB cache, 14 cores, 20 threads, up to 5.20 GHz Turbo), supports Intel® **vPro®** Technology	Intel® Core™ i7-1360P Processor (E-cores up to 3.70 GHz P-cores up to 5.00 GHz)(**vPro Essentials**)	
Trusted Platform Module	Yes	Yes	Yes	
Memory	32 GB, 2 x 16 GB, DDR5, 4800 MT/s, dual-channel, Non-ECC, expandable to 64 GB	32GB (2x16GB) DDR4 3200, expandable to 64.0GB if the current memory is replaced with (2x32GB Memory modules).	32GB(16+16) DDR4 3200MHz SoDIMM, upgradeable up to 64GB DDR4-3200	
Video	Intel Integrated Graphics, TBT4	Intel® Iris® X^{e} Graphics	Integrated Intel® Iris® Xe Graphics	
Video Display	AGENCY CAN CHOOSE EITHER: 15.6" FHD (1920x1080) Anti-Glare, Non-Touch, 250 nits, HD Camera, WLAN **OR** 15.6" FHD (1920x1080) Anti-Glare, Touch, 250 nits, FHD IR Camera, WWAN	AGENCY CAN CHOOSE EITHER: 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent **(Non-Touch)** OR 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam Narrow Bezel bent (**Touchscreen)**	AGENCY CAN CHOOSE EITHER: 15.6" FHD (1920 x 1080), IPS, Anti-Glare, Non-touch, 250 nits **(Non-Touch)** OR 15.6" FHD (1920 x 1080), IPS, Anti-Glare, **Touch**, 300 nits	
Hard Drive	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe TLC SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	
USB Ports	1x USB 3.2 Gen1 1x USB 3.2 Gen1 with PowerShare	(3) USB-A 5 Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
HDMI or DisplayPort or USB-C Port	HDMI 2.0	(1) HDMI; (1) USB-C	(1) HDMI 2.0b	
Thunderbolt Port	2x USB Type C Thunderbolt™ 4.0 with Power Delivery & DisplayPort	(1) Thunderbolt 4 Port	1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	Integrated Ethernet Port	1x Ethernet (RJ-45)	
Bluetooth	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.1	

2.4a-b High End Laptop 2 (Intel P Processor, vPro)	Dell	HP	Lenovo	Microsoft
Internal Wireless Adapter	Intel AX211,2x2, 802.11 ax, MU-MIMO Driver, Bluetooth	Intel AX 211Wi-Fi 6E + BT	Intel® Wi-Fi 6 AX201 2x2 AX & Bluetooth® 5.1 or above with vPro®	
Webcam	720p at 30 fps HD camera, single integrated microphone	720p HD, includes shutter	HD 720p, with privacy shutter, fixed focus	
Audio	Internal Speaker	Dual stereo speakers	Stereo speakers, 2W x2, Dolby® Audio™	
Power	65W Type-C Adapter with 3' Cord	65 Watt Smart nPFC Right Angle AC Adapter w/ 1m cord	65W USB-C Low Cost 90% PCC 2pin AC Adapter - US	
Battery	3 Cell, 54 Wh, ExpressCharge™ Capable	Long Life 51Whr Fast Charge 3 cell Battery up to 13 hours and 15 minutes	Integrated Li-Polymer 63Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 100W AC adapter MobileMark® 25: up to 11.5 hr @250nits	
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
Environmental	EPEAT® GOLD	EPEAT GOLD	EPEAT Gold	
Unit dimensions and weight	14.1” x 0.82“ x 9.19”, 3.56lbs	14.14 x 9.2 x 0.78 in; 3.94lbs	14.18 x 9.33 x 0.78 inches; 3.91lbs	

2.5a-b Elite Laptop 1 (Intel i7, 32GB System Memory, 4GB Video Memory)	Dell	HP	Lenovo	Microsoft
Description	Mobile Workstation intended for users that have high technology requirements such as video/animation production, application development, etc., support for up to 3 monitors (including laptop screen)			
Vendor Model Number	Mobile Precision 3580	Zbook Power 15.6 Inch G10	ThinkPad P16s Gen 2	
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 English	
Processor	Intel Core i7-1360P, **vPro Essentials** (18MB Cache, 12 Cores, 16 Threads, 2.2 - 5.0 GHz Turbo, 28W)	Intel® Core™ i7-13800H (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 4.0 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® **vPro**®	Intel Core i7-1360P, **vPro Essentials** (18MB Cache, 12 Cores, 16 Threads, 2.2 - 5.0 GHz Turbo, 28W)	
Trusted Platform Module	Yes	Yes	Yes	
Memory	32 GB, 2 x 16 GB, DDR5, 4800 MT/s	32GB (2x16GB) DDR5 5200 SODIMM Memory-expandable to 64GB by replacing dimms	32 GB LPDDR5X-7500MHz (Soldered)	
Video	NVIDIA RTX A500, 4GB GDDR6 Graphics Card, will support 2 external displays plus laptop for total of 3	NVIDIA® A500 (4 GB GDDR6 dedicated)	NVIDIA® A500 (4 GB GDDR6 dedicated)	
Video Display	AGENCY CAN CHOOSE EITHER: 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, **non-touch**, RGB HD Camera and Mic with WLAN OR 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, **touch**, IR FHD EMZA Camera and Mic with WLAN	AGENCY CAN CHOOSE EITHER: 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam bent **(non-touch)** OR 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam **Touchscreen** Narrow Bezel bent	AGENCY CAN CHOOSE EITHER: 16" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits **(Non-Touch)** OR 16" WUXGA (1920 x 1200), IPS, Anti-Glare, **Touch**, 45%NTSC, 300 nits	
Hard Drive	512GB, M.2 2230, Gen 4 PCIe NVMe SSD	512GB PCIe NVMe Value Solid State Drive	512 GB SSD M.2 2280 PCIe Gen4 TLC Opal	
USB Ports	USB 3.2 Gen 1 port USB 3.2 Gen 1 port with PowerShare	(3) USB Type-A 5Gbps	2x USB 3.2 Gen 1 (one Always On)	
HDMI or DisplayPort	1 HDMI 2.0 port	(1) HDMI	1x HDMI 2.1, up to 4K/60Hz	
Thunderbolt Port	(2) Thunderbolt™ 4 port with DisplayPort Alt Mode/USB Type-C/ USB4/Power Delivery	(1) Thunderbolt 4 with USB-C Type Power	2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 2.0)	
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	Integrated Ethernet Port	1x Ethernet (RJ-45)	
Bluetooth	Bluetooth 5.2	Bluetooth 5.3	Bluetooth 5.1	

2.5a-b Elite Laptop 1 (Intel i7, 32GB System Memory, 4GB Video Memory)	Dell	HP	Lenovo	Microsoft
Internal Wireless Adapter	Intel AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth 5.2	Intel AX211 Wi-Fi 6E vPro 160 MHz +Bluetooth 5.3 WW WLAN	Intel® Wi-Fi 6E AX211 2x2 AX & Bluetooth® 5.1 or above with vPro®	
Webcam	FHD Camera, Temporal Noise Reduction, No ExpressSign-In, Camera Shutter, Mic	720p HD, includes shutter	HD 720p, with privacy shutter, fixed focus	
Audio	Stereo speakers with Realtek Waves MaxxAudio® Pro, 2W x 2W = 4W total	Audio, dual stereo speakers	Stereo speakers, 2W x2, Dolby® Audio™	
Power	100W AC adapter, USB Type-C w/3' power cord	HP 150W Slim 4.5mm PFC Smart (3-pin) AC Adapter	135W USB-C Slim 90% PCC 3pin AC Adapter - US	
Battery	3 Cell, 54WHr battery up to 8 hours. Express charge capable.	6 Cell 83 WHr Long Life up to 13 hours and 30 minutes	Integrated Li-Polymer 86Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 135W AC adapter	
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
Environmental	EPEAT® GOLD	EPEAT GOLD	EPEAT GOLD	
Unit dimensions and weight	(H) .82 in front; (W) 14.09 in;(D) 9.19 in; Weight 3.56lbs	14.15 x 9.21 x 0.9 in; 4.43lbs	14.25 x 10.06 x 0.83 inches; 3.77lbs	

2.6 a-b Elite Laptop 2 (Intel i9 vPro, 32GB System Memory, 4GB Video Memory)	Dell	HP	Lenovo	Microsoft
Description	Mobile Workstation intended for users that have high technology requirements such as video/animation production, application development, etc., support for up to 3 monitors (including laptop screen)			
Vendor Model Number	Mobile Precision 3591	Zbook Studio 16 G9	ThinkPad P16v Gen 1	
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Microsoft Windows 11 Pro 64 bit	
Processor	Intel Core Ultra 9 185H vPro Enterprise (24 MB cache, 16 cores, 22 threads, up to 5.1 GHz, 45W)	Intel Core i9-13900H, **vPro Enterprise** (24MB Cache, 14 cores, 20 threads, 2.6-5.4 GHz Turbo, 45W)	Intel Core i9-13900H, vPro Enterprise (24MB Cache, 14 cores, 20 threads, 2.6-5.4 GHz Turbo, 45W)	
Trusted Platform Module	Yes	Yes	Yes	
Memory	32 GB: 2 x 16 GB, DDR5, 5600 MT/s, non-ECC	32GB (2x16GB) DDR5 5200 SODIMM Memory-expandable to 64GB by replacing dimms	32 GB DDR5-5600MHz (SODIMM) - (2 x 16 GB), upgradeable up to 96GB (2x 48GB DDR5 SO-DIMM)	
Video	NVIDIA® RTX 2000 Ada Generation, 8GB GDDR6 Graphics Card, will support 2 external displays plus laptop for total of 3	NVIDIA® A500 (4 GB GDDR6 dedicated)	NVIDIA® RTX 2000 Ada Generation, 8GB GDDR6 Graphics Card, will support 2 external displays plus laptop for total of 3	
Video Display	AGENCY CAN CHOOSE EITHER: 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, **non-touch**, RGB HD Camera and Mic with WLAN OR 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, **touch**, IR FHD EMZA Camera and Mic with WLAN	AGENCY CAN CHOOSE EITHER: 15.6 inch AG FHD (1920x1080) LED UWVA 250 f5MP IR bnt LCD Panel **(non-touch)** OR 15.6 inch AG FHD (1920x1080) LED UWVA 250 f5MP IR **Touchscreen** bnt LCD Panel	AGENCY CAN CHOOSE EITHER: 16" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits **(Non-Touch)** OR 16" WUXGA (1920 x 1200), IPS, Anti-Glare, **Touch**, 45%NTSC, 300 nits	
Hard Drive	1 TB, M.2 2230, PCIe NVMe, SSD	1TB PCIe-4x4 2280 NVMe TLC SSD	1 TB SSD M.2 2280 PCIe Gen4 TLC Opal	
USB Ports	USB 3.2 Gen 1 port USB 3.2 Gen 1 port with PowerShare	(3) USB Type-A 5Gbps	2x USB 3.2 Gen 1 (one Always On)	
HDMI or DisplayPort	(1) HDMI 2.1 port	(1) HDMI Port	1x HDMI 2.1, up to 8K/60Hz	
Thunderbolt Port	(2) Thunderbolt™ 4 port with DisplayPort Alt Mode/USB Type-C/ USB4/Power Delivery	(1) Thunderbolt 4 with USB-C Type Power	2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	Integrated Ethernet Port	USB-C to RJ45 Mobile Adapter Included	
Bluetooth	Bluetooth 5.2	Bluetooth 5.3	Bluetooth 5.1	
Internal Wireless Adapter	Intel AX211 Wi-Fi 6/6E (up to 6GHz where available) 2x2 with Bluetooth Wireless	Intel AX211 Wi-Fi 6E vPro 160 MHz +Bluetooth 5.3 WW WLAN	Intel® Wi-Fi 6E AX211 2x2 AX & Bluetooth® 5.1 or above with vPro®	

2.6 a-b Elite Laptop 2 (Intel i9 vPro, 32GB System Memory, 4GB Video Memory)	Dell	HP	Lenovo	Microsoft
Webcam	FHD Camera, Temporal Noise Reduction, Camera Shutter, Mic	720p HD, includes shutter	5.0MP + IR hybrid, with privacy shutter and Ultrasonic Human Presence Detection, fixed focus	
Webcam	Stereo speakers with Realtek Waves, MaxxAudio 12.0, 2 W x 2 W = 4 W total	Audio, dual stereo speakers	Stereo speakers, 2W x2, Dolby® Audio™ Premium	
Power	130 W AC adapter, USB-C w/3' power cord	150W Slim 4.5mm PFC Smart (3-pin) AC Adapter	170W Slim 30% PCC 3pin AC Adapter - US	
Battery	4 Cell, 64WHr battery up to 8 hours. Express charge capable.	6 Cell 83 WHr Long Life up to 13 hours and 30 minutes	Integrated Li-Polymer 90Wh battery, supports Rapid Charge (charge up to 80% in 1hr)	
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
Environmental	EPEAT® GOLD	EPEAT GOLD	EPEAT GOLD	
Unit dimensions and weight	(H) .89 in front; (W) 14.09 in;(D) 9.19 in; Weight 3.96lbs	14.15 x 9.21 x 0.9 in; 4.43lbs	14.37 x 10.31 x 0.97 inches; 4.85 lbs	

2.7a-b Elite Laptop 3 (Intel i9 vPro, 64GB System Memory, 8GB Video Memory)	Dell	HP	Lenovo	Microsoft
Description	Mobile Workstation intended for users that have high technology requirements such as video/animation production, application development, etc., support for up to 3 monitors (including laptop screen)			
Vendor Model Number	Mobile Precision 7680	Zbook Fury 16 G10	ThinkPad P16 Gen 2	
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
Processor	Intel Core i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, **vPro**)	Intel Core i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, **vPro**)	Intel Core i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, **vPro**)	
Trusted Platform Module	Yes	Yes	Yes	
Memory	64GB, 2x32GB 5200MHz SODIMM, non-ECC, expandable to 128GB (system is upgradeable to 128GB by replacing memory with 1 x 128GB CAMM module)	64GB (2x32GB) DDR5 4800 SODIMM Memory, expandable to 128GB	64 GB DDR5-5600MHz (SODIMM) - (2 x 32 GB), upgradeable up to 192GB (4x 48GB DDR5 SO-DIMM)	
Video	NVIDIA RTX 2000 Ada 8GB GDDR6	NVIDIA RTX 2000 Ada 8GB GDDR6	NVIDIA RTX 2000 Ada 8GB GDDR6	
Video Display	AGENCY CAN CHOOSE EITHER: 16" FHD+ 1920x1200, WVA, 60Hz, anti-glare, **Non-Touch**, 45% NTSC, 250 nits, RGB Camera, with Mic OR 16" UHD+ 3840x2400 OLED, WVA, 60Hz, anti-glare, **Touch**,100% DCI-P3, 400 nits, IR Camera, with Mic	AGENCY CAN CHOOSE EITHER: 16.0 inch AG WUXGA (1920x1200) WLED+LBL UWVA 400 w5MP IR bnt LCD Panel **(Non-Touch)** **OR** 16.0 inch AG WUXGA (1920x1200) WLED+LBL UWVA 400 w5MP IR **Touchscreen** bnt LCD Panel	AGENCY CAN CHOOSE EITHER: 16" WUXGA (1920 x 1200), IPS, Anti-Glare, 100%sRGB, 300 nits, Low Blue Light **(Non-Touch)** OR 16" WQUXGA (3840 x 2400), OLED, Anti-Reflection/Anti-Smudge, **Touch**, 100%DCI-P3, 400 nits	
Hard Drive	M.2 2280 1 TB, Gen 4 PCIe x4 NVMe, Solid State Drive	1TB PCIe-4x4 2280 NVMe TLC Solid State Drive	1 TB SSD M.2 2280 PCIe Gen4 TLC Opal	
USB Ports	USB 3.2 Gen 1 port with PowerShare USB 3.2 Gen 1 port USB 3.2 Gen 2 Type-C port with DisplayPort alt mode	(2) USB-A 5Gbps	2x USB 3.2 Gen 1 (one Always On) 1x USB-C 3.2 Gen 2 (support data transfer,	
HDMI or DisplayPort	(1) HDMI 2.0a port (UMA) (1) HDMI 2.1 port (DGPU)	(1) HDMI, (1) mini- Displayport	1x HDMI 2.1, up to 8K/60Hz	
Thunderbolt Port	(2) ThunderBolt™ 4 / USB 4.0 Type-C ports	(2) Thunderbolt 4 with USB4 Type C Power	2x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated RJ45 port	Integrated Ethernet Port	USB-C to RJ45 Mobile Adapter Included	

2.7a-b Elite Laptop 3 (Intel i9 vPro, 64GB System Memory, 8GB Video Memory)	Dell	HP	Lenovo	Microsoft
Bluetooth	Bluetooth 5.2	Bluetooth 5.3	Bluetooth 5.1	
Internal Wireless Adapter	Intel AX211 Wi-Fi 6/6E (up to 6GHz where available)	Intel AX211 Wi-Fi 6E vPro 160 MHz +Bluetooth 5.3 WW WLAN	Intel AX211 Wi-Fi 6E vPro 160 MHz +Bluetooth 5.3 WW WLAN	
Webcam	FHD Camera, Temporal Noise Reduction, No ExpressSign-In, Camera Shutter, Mic	720p HD Camera+IR Camera	FHD 1080p, with privacy shutter, fixed focus	
Audio	Stereo speakers with Dialog, 2W x 4 = 8W total	Dual stereo speakers with discrete amps	Stereo speakers, 2W x2, Dolby® Atmos®	
Power	180 W AC adapter, 7.40 mm barrel w/3' power cord	200W Slim 4.5mm PFC Smart (3-pin) AC Adapter	170W AC Adapter Slim (3pin)-US	
Battery	83 Wh, 6 Cell, ExpressCharge up to 8 hours	XL-Long Life 95Whr Fast Charge 8 cell Battery up to 17hrs	Integrated Li-Polymer 94Wh battery, supports Rapid Charge (charge up to 80% in 1hr)	
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
Environmental	EPEAT® GOLD	EPEAT GOLD	EPEAT GOLD	
Unit dimensions and weight	(H)Rear - .92in; (H)Front - .88in; (W) - 14.02 in (D) - 10.18in; Weight - 5.75lbs	14.29 x 9.87 x 1.13; 5.3lbs	14.3 x 10.5 x 1.2 inches; 6.5lbs	

2.8a-b Ultralight Laptop	Dell	HP	Lenovo	Microsoft
Description	Business Class Laptop that is thin and lightweight for easier portability, under 3.4lbs.			
Vendor Model Number	Latitude 5440	EliteBook 830 13.3 inch G10	ThinkPad L13 Gen 4	Surface 5 Laptop 13.5”
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	AGENCY CAN CHOOSE EITHER Intel Core i7-1365U vPro (12 MB cache, 10 cores, up to 5.2 GHz) **(non-vPro or vPro disabled)** OR Intel Core i7-1365U, 12 MB cache, 10 cores, up to 5.2 GH **(vPro Enabled)**	AGENCY CAN CHOOSE EITHER Intel® Core™ i7-1355U (1.2 GHz E-core base frequency, 1.7 GHz P-core base frequency, up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-core, 12 threads **(non-vPro or vPro disabled)** OR Intel Core i7-1365U, 12 MB cache, 10 cores, up to 5.2 GH **(vPro Enabled)**	AGENCY CAN CHOOSE EITHER Intel® Core™ i7-1355U (1.2 GHz E-core base frequency, 1.7 GHz P-core base frequency, up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-core, 12 threads **(non-vPro or vPro disabled)** OR Intel Core i7-1365U, 12 MB cache, 10 cores, up to 5.2 GH **(vPro Enabled)**	Intel® Core™ i7-1265U (1.8 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) **(non-vPro or vPro disabled)**
Trusted Platform Module	Yes	Yes	Yes	Yes
Memory	32 GB, 2 x 16 GB, DDR4, 3200 MT/s, Non-ECC, SODIMM	32 GB LPDDR5-4800MHz RAM (2x16GB)	32 GB LPDDR5-6400MHz (Soldered)	32GB LPDDR5x RAM
Video	Intel® Integrated Graphics	Intel UHD Graphics	Intel Integrated Iris Xe Graphics	Intel® Iris® Xe Graphics
Video Display	14.0" FHD (1920x1080) Anti-Glare, Touch, WVA, 300 nits, FHD IR Camera, WWAN	13.3 inch AG WUXGA (1920x1200) LED UWVA 250 f5MP IR Touchscreen bnt LCD Panel	13.3" WUXGA (1920 x 1200), IPS, Anti-Glare, Touch, 72%NTSC, 300 nits	13.5” PixelSense™ Display 2256 x 1504 (201 PPI) Aspect ratio: 3:2
Hard Drive	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe Value SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	512GB SSD
USB Ports	2x USB 3.2 Gen (1 with Power share)	(2) USB-A 5Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	1 x USB-C 4.0/Thunderbolt™ 1 x USB-A 3.1
HDMI or DisplayPort or USB-C Port	1 x HDMI 2.0	(1) HDMI	1x HDMI, up to 4K/60Hz	1 x USB-C Configuration includes USB-C to Display Port Adapter (JWG-00001) *(USB-C to HDMI Adapter (HFP-00001) may be purchased separately)*

2.8a-b Ultralight Laptop	Dell	HP	Lenovo	Microsoft
Thunderbolt Port	2x USB Type C Thunderbolt™ 4.0 with Power Delivery & DisplayPort	(2) Thunderbolt 4 with USB-C Power	1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4) 1x HDMI 2.1, up to 4K/60Hz	1 x USB-C 4.0/Thunderbolt Port
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	includes USB-C to RJ45 adapter	USB-C to RJ45 Mobile Adapter Included	USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
Bluetooth	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.1	Bluetooth 5.1
Internal Wireless Adapter	Intel AX211 WiFi 6e 2x2 AX+ BT 5.3 (supports 802.11ax)	Intel AX211 WiFi 6e 2x2 AX+ BT 5.2	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.1 or above	Wi-Fi 6: 802.11ax compatible
Webcam	FHD/IR Camera, Temporal Noise Reduction, Camera Shutter, Mic	720p HD, includes shutter	FHD 1080p, with privacy shutter, fixed focus	720p HD f2.0 camera (front-facing)
Audio	Internal Speaker	Quad speakers with discrete amplifier	Stereo speakers, 2W x2, Dolby® Audio™ Premium	Omnisonic Speakers with Dolby Atmos
Power	65W Type-C Adapter with 3' Cord	65 Watt Smart nPFC Right Angle AC Adapter	65W USB-C 90%PCC AC Adapter Black (2pin) - US	AC Power Supply with 6' cord
Battery	54WHR, 3 Cell Battery Express Charge Capable	Long Life 38Whr Fast Charge 3 cell Battery up to 15 hrs	Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	47WHr, up to 18 hours
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00162)
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	Included with 3 Year warranty part above
Energy Consumption	Energy Star	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
Environmental	EPEAT Gold	EPEAT GOLD	EPEAT Gold	EPEAT Gold
Unit dimensions and weight	Height: 0.75in, Width 12.65 in, Depth 8.35 in, Weight 3.06lbs	11.81 x 8.46 x 0.76 in; 2.79lbs	12.0 x 8.58 x 0.68 inches; 2.78lbs	12.1” x 8.8” x 0.57”, 2.86lbs

2.8a-b Ultralight Laptop (ALTERNATE MODEL)	Dell	HP	Lenovo	Microsoft
Description	Business Class Laptop that is thin and lightweight for easier portability, under 3.4lbs.			
Vendor Model Number	Precision 3480 (Item 2.8a only)	Elitebook 630 G10		
Operating System	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit		
Processor	Intel Core i7-1355U, vPro Essentials (12MB Cache, 10 Cores, 12 Threads, 1.7 - 5.0 GHz Turbo, 15W) **(non-vPro or vPro disabled)**	AGENCY CAN CHOOSE EITHER Intel Core i7-1355U, vPro Essentials (12MB Cache, 10 Cores, 12 Threads, 1.7 - 5.0 GHz Turbo, 15W) **(non-vPro or vPro disabled)** OR Intel Core i7-1365U, 12 MB cache, 10 cores, up to 5.2 GH **(vPro Enabled)**		
Trusted Platform Module	Yes	Yes		
Memory	32 GB, 2 x 16 GB, DDR4, 3200 MT/s, Non-ECC, SODIMM	32GB (2x16GB) DDR4 3200		
Video	Intel® Integrated Graphics	Intel® Integrated Graphics		
Video Display	14" FHD LCD with 300 nits, Touch, FHD IR Camera and Microphone, and 4G WWAN	13.3 inch AG FHD (1920x1080) LED UWVA 250 fHDC Touchscreen slm LCD Panel		
Hard Drive	512GB, M.2 2230, Gen 4 PCIe NVMe SSD,	512GB PCIe NVMe Value SSD		
USB Ports	1 x USB 3.2 Gen 1 Type-A with PowerShare port; 2 Thunderbolt™ 4.0 with Power Delivery & DisplayPort 1.4 (USB Type-C®)	2 USB Type-A 5Gbps		
HDMI or DisplayPort or USB-C Port	1 x HDMI 2.0	(1) HDMI Port		
Thunderbolt Port	2x USB Type C Thunderbolt™ 4.0 with Power Delivery & DisplayPort	1 Thunderbolt™ 4 with USB Type-C®		
Integrated NIC Port or Mobile Ethernet Adapter included	Integrated ethernet RJ45	integrated RJ-45 port		
Bluetooth	Bluetooth 5.3	Bluetooth 5.3		
Internal Wireless Adapter	Intel AX211 WiFi 6e 2x2 AX+ BT 5.3 (supports 802.11ax)	Intel AX211 WiFi 6e 2x2 AX+ BT 5.2		
Webcam	FHD/IR Camera, Temporal Noise Reduction, Camera Shutter, Mic	720p HD Camera w/privacy shutter		
Audio	Stereo speakers with Realtek Waves, MaxxAudio® 12.0, 2 W x 2 W = 4 W total	Internal Speaker and mic		
Power	65W Type-C Adapter with 3' Cord	65Watt USB-C Right Angle Adapter		

2.8a-b Ultralight Laptop (ALTERNATE MODEL)	Dell	HP	Lenovo	Microsoft
Battery	3 Cell, 42WHr	Long Life 2-Cell 42Wh; up to 11 hrs 30 minutes		
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site		
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	Includes 3 Year HP Carepack for Disk Retention Service		
Energy Consumption	Energy Star	ENERGY STAR® certified		
Environmental	EPEAT Gold	EPEAT GOLD		
Unit dimensions and weight	Height: 0.75in, Width 12.65 in, Depth 8.35 in, Weight 3.06lbs	12.08 x 8.2 x 0.62in; 2.7lb		

2-in-1 Laptop/Tablet Configurations

3.1a-c 2-in-1 Laptop/Tablet (non-vPro)	Dell	HP	Lenovo	Microsoft
Description	Device that can function in a traditional 'clam-shell' laptop configuration or as a light weight, touch screen tablet through a conversion using an integrated or detachable keyboard and mouse/trackpad; Support for dual digital monitors			
Vendor Model Number	Latitude 5340 2-in-1	Elite x360 830 G10	ThinkPad L13 Yoga Gen 4	Surface Pro 9
Type	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
Processor	Intel Core i7-1365U vPro, 12 MB cache, 10 cores, up to 5.2 GHz **(non-vPro or vPro disabled)**	Intel Core i7-1355U, vPro Essentials (12MB Cache, 10 Cores, 12 Threads, 1.7 - 5.0 GHz Turbo, 15W) **(non-vPro or vPro disabled)**	Intel Core i7-1355U, vPro Essentials (12MB Cache, 10 Cores, 12 Threads, 1.7 - 5.0 GHz Turbo, 15W) **(non-vPro or vPro disabled)**	Intel® Core™ i7- 1265U 10 core, 12 thread 1.2GHz turbo 3.6GHZ (ecores)
Trusted Memory Platform	Yes	Yes	Yes	Yes
Memory	32GB. (16GB x 2), LPDDR 5/x Onboard Memory, 4800 MT/s dual channel	32 GB LPDDR5-4800 MHz RAM, (2x16GB)	32 GB LPDDR5-4800MHz (Soldered)	32GB
Resolution	1920 x 1080	1920x1200	1920 x 1200	2880 x 1920 (267 PPI)
Video Display	13.3" FHD (1920x1080) Touch, AR+AS, IPS, 300 nits, FHD Cam, WLAN/WWAN (5G), Pen Supp, GGDX	13.3 inch BV WUXGA (1920x1200) LED UWVA 250 w5MP Touchscreen bnt LCD Panel	13.3" WUXGA (1920 x 1200), IPS, Anti-Reflective/Anti-Smudge, Touch, 100%sRGB, 300 nits, 60Hz	Screen: 13" PixelSense™ Flow Display Resolution: 2880 X 1920 (267 PPI) Color profile: sRGB and Vivid Refresh rate up to 120Hz (Dynamic refresh rate supported) Aspect ratio: 3:2 Contrast: 1300:1 Adaptive Color Touch: 10-point multi-touch Gorilla® Glass 5
Storage	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	1TB SSD
USB Ports	2x USB 3.2 Gen (1 with Power share)	2 USB Type-A 5Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	2 x USB-C® with USB 4.0/Thunderbolt™
HDMI or DisplayPort	1 x HDMI 2.0	One (1) HDMI port	1x HDMI 2.1, up to 4K/60Hz	2 x USB-C® 3.2

3.1a-c 2-in-1 Laptop/Tablet (non-vPro)	Dell	HP	Lenovo	Microsoft
Thunderbolt Port	2x USB Type C Thunderbolt™ 4.0 with Power Delivery & DisplayPort	(2) Thunderbolt™ 4 with USB Type-C®	1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	One (1) Thunderbolt 4 Port
Bluetooth	Bluetooth 5.3	Integrated with Bluetooth 5.3	Bluetooth Version 5.1	Bluetooth® Wireless 5.1
Front Camera	FHB RGB Camera w/ mic & privacy shutter	5MP Camera w/privacy shutter	Front HD 720p, with privacy shutter, fixed focus	Windows Hello face authentication camera (front-facing) Front-facing camera with 1080p full HD video
Rear Camera	N/A	N/A	N/A	10.0 MP rear-facing autofocus camera with 1080p
Mobile Ethernet Adapter	**Order as an option - Dell Adapter USB-C to Ethernet, (470-ABND)**	**Order as an option – HP USB 3.0 to Gigabit RJ45 Ethernet Adapter F2, (4Z727AA)**	**Order as an option – Lenovo USB-C to Ethernet Adapter, (4X91D96891)**	USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
Internal Wireless Adapter	Intel Wifi 6E AX211, 2x2, 802.11 ax, Bluetooth wireless card	Intel AX211 Wi-Fi 6E 160 MHz +Bluetooth 5.3 WW WLAN	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.1 or above	Wi-Fi 6: 802.11ax compatible
WWAN	Intel 5000 Global 5G (DW5931e), eSIM for AT&T, Verizon (Agency must select AT&T or Verizon model)	Intel XMM 7560 R+ LTE-Advanced Pro WWAN). Supports Verizon and AT&T cards. (Agency must select AT&T or Verizon model)	Quectel EM05-G 4G CAT4	N/A
Keyboard	English US backlit keyboard, 79-key	Integrated Keyboard that hinges 360 degrees	Integrated keyboard	Detachable Type Cover (must be added to the order – part# QJX-00001)
Power	65W Type-C Adapter with 3' Cord	65 Watt nPFC USB-C Straight AC Adapter with 1.0 M cord	65W USB-C 90%PCC AC Adapter Black (2pin) - US	AC Power Supply with 4' cord
Battery	54WHR, 3 Cell Battery Express Charge Capable	Long Life 38Whr Fast Charge 3 cell Battery up to 14 hours and 45 minutes	Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	Up to 15.5 hours of typical device usage
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	3 Year Next Business Day Warranty included, options for 4 or 5 yr Support offered	3 Year Premier Priority/Advanced Support, NBD Onsite	3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00158 and part# SPC-00005)
Energy Consumption	Meets EPA Energy Star	Energy Star Certified	Energy Star Certified	ENERGY STAR® certified
Environmental	Meets EPEAT Silver	EPEAT Gold	EPEAT Gold	EPEAT Gold
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	3YR KYD	3YR KYD	Included with 3 Year warranty part above
Unit dimensions and weight	Height: 0.67", Width: 12.04, Depth: 8.17", 2.97lbs.	11.81 x 8.51 x 0.76in; 2.95lbs.	12.0 x 8.58 x 0.67 inches; 2.92lbs	11.3" x 8.2" x 0.37"; 1.94 lbs

3.1a-c 2-in-1 Laptop/Tablet (non-vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Description	Device that can function in a traditional 'clam-shell' laptop configuration or as a light weight, touch screen tablet through a conversion using an integrated or detachable keyboard and mouse/trackpad			
Vendor Model Number	Latitude 7340 (non-vPro) – Alternate Item 3.1a only			Surface Pro 9 – Alternate Items 3.1b & 3.1c only
Type	Windows 11 Pro 64 bit			Windows 11 Pro 64 bit
Processor	13th Gen Intel Core i5-1345U **vPro disabled** (12 MB cache, 10 cores, up to 4.70 GHz Turbo)			Microsoft SQ® 3 processor Neural Processing Unit (NPU)
Trusted Memory Platform	Yes			Yes
Memory	32GB, (16 GB x 2), LPDDR5, 4800 MT/s, integrated			16 GB (not expandable)
Resolution	**2560 x 1600**			2880 x 1920 (267 PPI)
Video Display	2-in-1, 13.3" QHD+ 2560 x 1600, R+AS, Touch, ComfView+, WVA, 500 nits, FHD IR Cam+IP, WLAN, ALU, Pen supp.			Screen: 13" PixelSense™ Flow Display Resolution: 2880 X 1920 (267 PPI) Color profile: sRGB and Vivid Refresh rate up to 120Hz (Dynamic refresh rate supported) Aspect ratio: 3:2 Contrast: 1300:1 Adaptive Color Touch: 10-point multi-touch Gorilla® Glass 5
Storage	512GB M.2 PCIe NVMe Solid State Drive, Class 35			512 GB SSD
USB Ports	1 x USB 3.2 Gen 1 Type-A with PowerShare port			2 x USB-C® 3.2
HDMI or DisplayPort or USB-C Port	1 x HDMI 2.0 port			2 x USB-C® 3.2
Thunderbolt Port	2 Thunderbolt™ 4.0 with Power Delivery & DisplayPort 1.4 (USB Type-C®)			One (1) Thunderbolt 4 Port
Bluetooth	Bluetooth 5.3 wireless			Bluetooth® Wireless 5.1

3.1a-c 2-in-1 Laptop/Tablet (non-vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Front Camera	FHD/IR Camera with ExpressSign-In + Intelligent Privacy, Temporal Noise Reduction, Camera Shutter, Mic			Windows Hello face authentication camera (front-facing) Front-facing camera with 1080p full HD video
Rear Camera	N/A			10.0 MP rear-facing autofocus camera with 1080p
Audio	Stereo speakers and Waves MaxxAudio Pro			Dual far-field Studio Mics2W stereo speakers
Internal Wireless Adapter	Intel Wi-Fi 6E (6 where 6E unavailable) AX211 + Bluetooth			Wi-Fi 6: 802.11ax compatible
Mobile Ethernet Adapter option	Order as an option- Dell Adapter USB-C to Ethernet. (470-ABND)			USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.29b)
WWAN	N/A			1 x nano SIM 5G, LTE
Keyboard	US-English battery-saving mini LED backlit keyboard, 79-Key			Detachable Type Cover (must be added to the order – part# QJX-00001)
Power	65W AC adapter, USB Type-C,			AC Power Supply with 4' cord
Battery	3-cell, 57 Wh, Express Charge Capable, Express Charge Boost Capable			Up to 19 hours of typical device usage
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years			3YR NBD Onsite with Accidental Damage coverage (must be added to order – part# F9W-00158 and part# SPC-00005)
Keep Hard Drive	3 YR, Keep Your Hard Drive, option to upgrade to 4-5 year			ENERGY STAR® certified
Energy Consumption	ENERGY STAR Qualified			EPEAT Gold
Environmental	EPEAT 2018 Registered (Gold)			Included with 3 Year warranty part above
Unit dimensions and weight	Height: 0.7" x Width: 12.74" x Depth: 8.39" Weight: 2.86 lbs			11.3" x 8.2" x 0.37"; 1.94 lbs

3.2a-c 2-in-1 Laptop/Tablet (Intel vPro)	Dell	HP	Lenovo	Microsoft
Description	Device that can function in a traditional 'clam-shell' laptop configuration or as a light weight, touch screen tablet through a conversion using an integrated or detachable keyboard and mouse/trackpad; Support for dual digital monitors			
Vendor Model Number	Latitude 5340 2-in-1	Elite x360 830 G10	ThinkPad L13 Yoga Gen 4	
Type	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
Processor	Intel Core i7-1365U vPro, 12 MB cache, 10 cores, up to 5.2 GHz **(vPro enabled)**	Intel Core i7-1365U vPro, 12 MB cache, 10 cores, up to 5.2 GHz **(vPro enabled)**	Intel Core i7-1365U vPro, 12 MB cache, 10 cores, up to 5.2 GHz **(vPro enabled)**	
Trusted Memory Platform	Yes	Yes	Yes	
Memory	32GB, (16GB x 2), LPDDR 5/x Onboard Memory, 4800 MT/s dual channel	32 GB LPDDR5-4800 MHz RAM, (2x16GB)	32 GB LPDDR5-4800MHz (Soldered)	
Resolution	1920 x 1080	1920x1200	1920 x 1200	
Video Display	13.3" FHD (1920x1080) Touch, AR+AS, IPS, 300 nits, FHD Cam, WLAN/WWAN (5G), Pen Supp, GGDX	13.3 inch BV WUXGA (1920x1200) LED UWVA 250 w5MP Touchscreen bnt LCD Panel	13.3" WUXGA (1920 x 1200), IPS, Anti-Reflective/Anti-Smudge, Touch, 100%sRGB, 300 nits, 60Hz	
Storage	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	
USB Ports	2x USB 3.2 Gen (1 with Power share)	2 USB Type-A 5Gbps	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
HDMI or DisplayPort	1 x HDMI 2.0	One (1) HDMI port	1x HDMI 2.1, up to 4K/60Hz	
Thunderbolt Port	2x USB Type C Thunderbolt™ 4.0 with Power Delivery & DisplayPort	(2) Thunderbolt™ 4 with USB Type-C®	1x Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)	
Bluetooth	Bluetooth 5.3	Integrated with Bluetooth 5.3	Bluetooth Version 5.1	
Front Camera	FHB RGB Camera w/ mic & privacy shutter	5MP Camera w/privacy shutter	Front HD 720p, with privacy shutter, fixed focus	
Rear Camera	N/A	N/A	N/A	
Mobile Ethernet Adapter	**Order as an option - Dell Adapter USB-C to Ethernet, (470-ABND)**	**Order as an option – HP USB 3.0 to Gigabit RJ45 Ethernet Adapter F2 (4Z727AA)**	**Order as an option – Lenovo USB-C to Ethernet Adapter, (4X91D96891)**	
Internal Wireless Adapter	Intel Wifi 6E AX211, 2x2, 802.11 ax, Bluetooth wireless card	Intel AX211 Wi-Fi 6E 160 MHz +Bluetooth 5.3 WW WLAN	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.1 or above	
WWAN	Intel 5000 Global 5G (DW5931e), eSIM for AT&T, Verizon (Agency must select AT&T or Verizon model)	Intel XMM 7560 R+ LTE-Advanced Pro WWAN. Supports Verizon and AT&T cards. (Agency must select AT&T or Verizon model)	Quectel EM05-G 4G CAT4	
Keyboard	English US backlit keyboard, 79-key	Integrated Keyboard that hinges 360 degrees	Integrated keyboard	

3.2a-c 2-in-1 Laptop/Tablet (Intel vPro)	Dell	HP	Lenovo	Microsoft
Power	65W Type-C Adapter with 3' Cord	65 Watt nPFC USB-C Straight AC Adapter with 1.0 M cord	65W USB-C 90%PCC AC Adapter Black (2pin) - US	
Battery	54WHR, 3 Cell Battery Express Charge Capable	Long Life 51Whr Fast Charge 3 cell Battery, up to 14 hours and 45 minutes	Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter	
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years	3 Year Next Business Day Warranty included, options for 4 or 5 yr Support offered	3 Year Premier Priority/Advanced Support, NBD Onsite	
Energy Consumption	Meets EPA Energy Star	Energy Star Certified	Energy Star Certified	
Environmental	Meets EPEAT Silver	EPEAT Gold	EPEAT Gold	
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	3YR KYD	3YR KYD	
Unit dimensions and weight	Height: 0.67", Width: 12.04, Depth: 8.17", 2.97lbs.	11.81 x 8.51 x 0.76in; 2.95lbs.	12.0 x 8.58 x 0.67 inches; 2.92lbs	

3.2a 2-in-1 Laptop/Tablet (Intel vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Description	Device that can function in a traditional 'clam-shell' laptop configuration or as a light weight, touch screen tablet through a conversion using an integrated or detachable keyboard and mouse/trackpad; Support for dual digital monitors			
Vendor Model Number	Latitude 7340 (vPro) – Item 3.2a only			
Type	Windows 11 Pro 64 bit			
Processor	13th Gen Intel Core i5-1345U **vPro** (12 MB cache, 10 cores, up to 4.70 GHz Turbo)			
Trusted Memory Platform	Yes			
Memory	32GB, (16 GB x 2), LPDDR5, 4800 MT/s, integrated			
Resolution	**2560 x 1600**			
Video Display	2-in-1, 13.3" QHD+ 2560 x 1600, R+AS, Touch, ComfView+, WVA, 500 nits, FHD IR Cam+IP, WLAN, ALU, Pen supp.			
Storage	512GB M.2 PCIe NVMe Solid State Drive, Class 35			
USB Ports	1 x USB 3.2 Gen 1 Type-A with PowerShare port			
HDMI or DisplayPort	1 x HDMI 2.0 port			
Thunderbolt Port	2 Thunderbolt™ 4.0 with Power Delivery & DisplayPort 1.4 (USB Type-C®)			
Bluetooth	Bluetooth 5.3 wireless			
Front Camera	FHD/IR Camera with ExpressSign-In + Intelligent Privacy, Temporal Noise Reduction, Camera Shutter, Mic			
Rear Camera	N/A			
Audio	Stereo speakers and Waves MaxxAudio Pro			
Mobile Ethernet Adapter	Intel Wi-Fi 6E (6 where 6E unavailable) AX211 + Bluetooth			
Internal Wireless Adapter	Order as an option- Dell Adapter USB-C to Ethernet. (470-ABND)			
WWAN	N/A			
Keyboard	US-English battery-saving mini LED backlit keyboard, 79-Key			
Power	65W AC adapter, USB Type-C,			

3.2a 2-in-1 Laptop/Tablet (Intel vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Battery	3-cell, 57 Wh, Express Charge Capable, Express Charge Boost Capable			
Hardware Warranty	ProSupport: Next Business Day Onsite, 3 Years			
Keep Hard Drive	3 YR, Keep Your Hard Drive, option to upgrade to 4-5 year			
Energy Consumption	ENERGY STAR Qualified			
Environmental	EPEAT 2018 Registered (Gold)			
Unit dimensions and weight	Height: 0.7" x Width: 12.74" x Depth: 8.39" Weight: 2.86 lbs			

EDU Chromebook Configurations

4.1a EDU Chromebook - 2-in-1 (Intel, 32GB eMMC HD) (No WWAN model)	Dell	HP	Lenovo
Description	Education Chromebook for K-12 schools – 2-in-1 model		
Vendor Model Number	Chromebook 11 3110 2 in 1	Fortis x360 11 inch G3 J Chromebook	500e Chromebook Gen 3
Operating System	GOOGLE CHROME EDU	Google Chrome Education License	Google Chrome Education License
Processor	Intel(R) Celeron(TM) N4500 (2 Core, 4M cache, base 1.1GHz, up to 2.8GHz)	Intel(R) Celeron(TM) N4500 (2 Core, 4M cache, base 1.1GHz, up to 2.8GHz)	Intel(R) Celeron(TM) N4500 (2 Core, 4M cache, base 1.1GHz, up to 2.8GHz)
Memory	4GB 2933MHz LPDDR4 Non-ECC	4 GB LPDDR4x-4266 (on Motherboard)	4 GB LPDDR4X-4266MHz (Soldered)
Video	Intel Integrated Graphics	Intel Integrated Graphics	Intel Integrated Graphics
Video Display	11.6" HD (1366 x 768) Anti-Glare Touch, Camera & Microphone, WLAN Capable, with Pen Support	11.6" HD WLED UWVA 220N Touchscreen BrightView Slim	11.6” HD (1366x768) GL 250 nits 10-point multi-touch
Hard Drive	32GB eMMC Hard Drive	32 GB eMMC	32 GB eMMC 5.1 Onboard Storage
USB Ports	1x USB 3.2 Gen 1 Port 1x USB 3.2 Gen1 Type-C Port	(2) USB-C ; (2) USB Type A	2x USB 3.2 Gen 1 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.2)
Bluetooth	Bluetooth 5.2	Bluetooth 5.0	Bluetooth 5.1
Internal Wireless Adapter	Intel Dual Band Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.2	Intel Dual Band Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.0	Intel® Wi-Fi 6 AX201 2x2 AX vPro® & Bluetooth® 5.1 or above
Webcam	RGB HD, dual array mic	720p HD camera	Front HD 720p, with privacy shutter, fixed focus, single microphone
Power	65W AC Adapter, USB Type-C with 3' Cord	45W USB-C Power Adapter w/ 1.0 m cord	65W USB-C LC PCC 2Pin BK US
Battery	3-Cell 42WHr Battery up to 8 hours	2-Cell 47 WHr Polymer Fast Charge Long Life	3 Cell Li-Pol 42Wh
Hardware Warranty	ProSupport Next Business Day Onsite, 1 Year	1YR Depot Warranty with optional warranties	1YR. Mail-in after remote diagnosis
Energy Consumption	Energy Star	Energy Star	Energy Star
Environmental	EPEAT Registered	EPEAT Registered	EPEAT Silver Registered
Unit dimensions and weight	Height: 0.85" x Width: 11.96" x Depth: 8.19" Weight: 3.14lbs	11.61 X 8.08 x 0.82in; 3.24lbs	11.4 x 7.97 x 0.78 inches; 2.93lbs
White Glove Services	**Must be ordered as optional Value-Added Service**	**Must be ordered as optional Value-Added Service**	**Must be ordered as optional Value-Added Service**
Software License	Google Console Management License for Education	Google Console Management License for Education	Google Console Management License for Education

4.2a EDU Chromebook Clamshell (Intel, 32GB eMMC HD) (No WWAN model)	Dell	HP	Lenovo
Description	Education Chromebook for K-12 schools – Clamshell model		
Vendor Model Number	Chromebook 11 3110	Chromebook 11 G9	
Operating System	GOOGLE CHROME EDU	Education Edition Chrome	
Processor	Intel(R) Celeron(TM) N4500 (2 Core, 4M cache, base 1.1GHz, up to 2.8GHz)	Intel(R) Celeron(TM) N4500 (2 Core, 4M cache, base 1.1GHz, up to 2.8GHz)	
Memory	4GB 2933MHz LPDDR4 Non-ECC	4 GB LPDDR4x-4266 (on Motherboard)	
Video	Intel Integrated Graphics	Intel® UHD Graphics	
Video Display	11.6" HD (1366 x 768) Anti-Glare Touch, Camera & Microphone, WLAN Capable, with Pen Support	11.6" HD LED UWVA 220N TOP Touchscreen Anti-Glare Slim	
Hard Drive	32GB eMMC Hard Drive	32 GB eMMC	
USB Ports	1x USB 3.2 Gen 1 Port 1x USB 3.2 Gen1 Type-C Port	2 SuperSpeed USB Type-C® 5Gbps ; 2 SuperSpeed USB Type-A 5Gbps signaling	
Bluetooth	Bluetooth 5.2	Bluetooth 5.0	
Internal Wireless Adapter	Intel Dual Band Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.2	Intel® Wi-Fi 6 AX201 (2x2) +BT 5.0	
NO WWAN/LTE	NO WWAN Option ONLY	NO WWAN OPTION ONLY	
Webcam	RGB HD, dual array mic	720p HD w/mic	
Power	65W AC Adapter, USB Type-C with 3' Cord	45W USB Type-C™ adapter with 3” Cord	
Battery	3-Cell 42WHr Battery up to 8 hours	2 Cell 47WHr Long Life, up to 12 hours and 30 minutes	
Hardware Warranty	ProSupport Next Business Day Onsite, 1 Year	1YR Depot Warranty with optional warranties	
Energy Consumption	Energy Star	Energy Star	
Environmental	EPEAT Registered	EPEAT Silver Registered	
Unit dimensions and weight	Height: 0.82" x Width: 11.96" x Depth: 8.19" Weight: 2.85lbs	11.61 X 8.08 x 0.74in; 2.95lb	
White Glove Services included	**Must be ordered as optional Value-Added Service**	**Must be ordered as optional Value-Added Service**	
Software License	Google Console Management License for Education	Google Console Management License for Education	

4.2a EDU Chromebook Clamshell (MediaTek, 32GB eMMC HD) (No WWAN model) (Alternate Model)	Dell	HP	Lenovo
Description	Education Chromebook for K-12 schools – Clamshell model		
Vendor Model Number			300E Yoga Chromebook Gen 4
Operating System			Google Chrome Education License
Processor			MediaTek MT8186_2.05G_8C
Memory			4GB
Video			Integrated Graphics
Video Display			11.6 HD 250nit Multi-Touch
Hard Drive			32 GB eMMC 5.1 Onboard Storage TLC
USB Ports			2x USB 3.2 Gen 1 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery and DisplayPort™)
Bluetooth			Bluetooth® 5.1
Internal Wireless Adapter			MediaTek Wi-Fi 6 MT7921 2x2 AX & Bluetooth® 5.1 or above
NO WWAN/LTE			No WWAN Model only
Webcam			720P HD RGB with Microphone
Power			65W USB-C 90% PCC 2pin AC Adapter - US
Battery			3 Cell Li-Polymer 47Wh
Hardware Warranty			1YR. Mail-in after remote diagnosis
Energy Consumption			Energy Star
Environmental			EPEAT Silver Registered
Unit dimensions and weight			11.4 x 7.97 x 0.78 inches; 2.93lbs
White Glove Services included			**Must be ordered as optional Value-Added Service**
Software License			Google Console Management License for Education

4.2b EDU Chromebook – Clamshell (32GB eMMC HD) (LTE) (Touch) (Alternate Model)	Dell	HP	Lenovo
Description	Education Chromebook for K-12 schools – Clamshell model		
Vendor Model Number		Fortis 11G9 Q Chromebook	
Operating System		Education Edition Chrome	
Processor		Qualcomm Snapdragon SC7180 (2.40 GHz, 8 cores)	
Memory		4 GB LPDDR4x-4266 (on Motherboard)	
Video		Qualcomm® Adreno™ 618 GPU	
Video Display		11.6" diagonal, HD (1366 x 768), touch, IPS, 220 nits, 50% NTSC	
Hard Drive		32 GB eMMC	
USB Ports		(1) USB-A Port; (2) USB-C Ports	
Bluetooth		Bluetooth 5.0	
Internal Wireless Adapter		Qualcomm Wi-Fi 6E WCN6850 (2x2)	
NO WWAN/LTE		LTE Option: Qualcomm X15 4G LTE Cat 16 GPS	
Webcam		720p HD	
Power		Smart 45 W USB Type-C® adapter	
Battery		Long Life 2-cell, 47 Wh Li-ion polymer	
Hardware Warranty		1YR Depot Warranty with optional warranties	
Energy Consumption		Energy Star	
Environmental		EPEAT Registered	
Unit dimensions and weight		11.61 x 8.09 x 0.75 in; 2.81lbs	
White Glove Services included		**Must be ordered as optional Value-Added Service**	
Software License		Google Console Management License for Education	

4.3 Education Chromebook - Clamshell (Intel, 64GB eMMC HD) (No WWAN)	Dell	HP	Lenovo
Description	Education Chromebook for K-12 schools – 2-in-1 model		
Vendor Model Number		Fortis 11G9 Q Chromebook	Chromebook 100e Gen 3
Operating System		Education Edition Chrome	Education Edition Chrome
Processor		Intel® Celeron® N5100 (up to 2.80 GHz burst frequency, 4 MB L3 cache, 4 cores)	Intel® Celeron® N5100 (up to 2.80 GHz burst frequency, 4 MB L3 cache, 4 cores)
Memory		8GB LPDDR4X-4266 SDRAM	8 GB LPDDR4X-4266MHz (Soldered)
Video		Intel® UHD Graphics	Integrated Graphics
Video Display		11.6" HD LED UWVA 220N TOP Touchscreen Anti-Glare Slim	11.6 HD 250nit **Non-Touch** (1366x768)
Hard Drive		64GB eMMC	64 GB eMMC 5.1 Onboard Storage
USB Ports		2 SuperSpeed USB Type-C® 5Gbps ; 2 SuperSpeed USB Type-A 5Gbps signaling	2x USB 3.2 Gen 1 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.2)
Bluetooth		Bluetooth 5.0	Bluetooth 5.1
Internal Wireless Adapter		Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth®	Intel® Wi-Fi 6 AX201 2x2 AX vPro® & Bluetooth® 5.1 or above
WWAN/LTE Option		No WWAN Option Only	**No WWAN Option Only**
Webcam		720p HD w/mic	720P HD with Single Microphone
Power		45W USB-C Adapter w/3ft cord	65W USB-C 90% PCC 2pin AC Adapter - US
Battery		Long Life 2-cell, 47 Wh Li-ion polymer up to 12 hours and 30 minutes	3 Cell Li-Polymer 42Wh
Hardware Warranty		1YR Depot Warranty with optional warranties	1YR Depot Warranty with optional warranties
Energy Consumption		Energy Star	Energy Star
Environmental		EPEAT Registered	EPEAT Registered
Unit dimensions and weight		11.61 x 8.08 x 0.74 in; 2.95lbs	11.4 x 7.95 x 0.78 inches; 2.67 lbs
White Glove Services included		**Must be ordered as optional Value-Added Service**	**Must be ordered as optional Value-Added Service**
Software License		Google Console Management License for Education	Google Console Management License for Education

4.3 EDU Chromebook - Clamshell (64GB eMMC HD) (ALTERNATE MODEL)	Dell	HP	Lenovo
Description	Education Chromebook for K-12 schools – 2-in-1 model		
Vendor Model Number	Chromebook 3445	Fortis 11G9 Q Chromebook	Chromebook 100e Gen 4
Operating System	Google Chrome Edu	Education Edition Chrome	Google Chrome EDU
Processor	AMD(R) Ryzen(TM) 3 7320C, 6 MB total cache, 4 cores, 8 threads, 2.40 Ghz to 4.10 GHz	Qualcomm Snapdragon SC7180 (2.40 GHz, 8 cores)	MediaTek MT8186_2.05G_8C
Memory	8 GB Memory, LPDDR5	8GB LPDDR4X-4266 SDRAM	8GB
Video	AMD Integrated Graphics	Qualcomm Adreno 618 Graphics	Integrated Graphics
Video Display	14-inch, HD+ 1366 x 768, 60 Hz, **Non-touch**, Anti-Glare, 220 nits, 45% NTSC, HD Camera	11.6" HD LED UWVA 220N TOP **Touchscreen** Anti-Glare Slim	11.6 HD 250nit **Non-Touch** (1366x768)
Hard Drive	128GB eMMC Hard Drive	64GB eMMC	64 GB eMMC 5.1 Onboard Storage TLC
USB Ports	2 x USB 3.2 Gen 1 Type-C 1 x USB 3.2 Gen 1	(1) USB-A Port; (2) USB-C Ports	2x USB 3.2 Gen 1 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.2)
Bluetooth	Bluetooth 5.3	Bluetooth 5.0	Bluetooth 5.1
Internal Wireless Adapter	MediaTek 7921 Wi-Fi 6E 2x2 (MHz) and BT 5.3 wireless card	Qualcomm Wi-Fi 6E WCN6850 (2x2)	MediaTek Wi-Fi 6 MT7921 2x2 AX & Bluetooth® 5.1 or above
WWAN/LTE Option	No WWAN Option Only	**LTE Option:** Qualcomm X15 4G LTE Cat 16 GPS	No WWAN Option Only
Webcam	720p HD TNR, dual array mic	720p HD w/mic	720P HD RGB with Microphone
Power	65W AC Rugged Adapter, USB Type-C with 3' Cord	45W USB-C Adapter w/3ft cord	65W USB-C 90% PCC 2pin AC Adapter - US
Battery	3-Cell 42WHr Battery up to 8 hours	Long Life 2-cell, 47 Wh Li-ion polymer up to 12 hours and 30 minutes	3 Cell Li-Pol 47Wh
Hardware Warranty	ProSupport Next Business Day Onsite, 1 Year	1YR Depot Warranty with optional warranties	1YR. Mail-in after remote diagnosis
Energy Consumption	Energy Star	Energy Star	Energy Star
Environmental	EPEAT Gold	EPEAT Registered	EPEAT Silver Registered
Unit dimensions and weight	Height: 0.8" x Width: 12.74" x Depth: 8.68" Weight: 3.37 lbs	11.61 x 8.09 x 0.74 in; 2.81lbs	11.3 x 7.9 x 0.73 inches; 2.71 lbs
White Glove Services included	**Must be ordered as optional Value-Added Service**	**Must be ordered as optional Value-Added Service**	**Must be ordered as optional Value-Added Service**
Software License	Google Console Management License for Education	Google Console Management License for Education	Google Console Management License for Education

Monitor Configurations

5.1a Flat Panel Monitor, 24-inch (with USB-C Hub)	Dell	HP	Lenovo
Vendor Model Number	P2422HE	E24U G5	ThinkVision P24h-30
Display Type	IPS	IPS	3-side NearEdgeless In-Plane Switching
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1920x1080 @ 60Hz	1920x1080 @ 60 Hz	2560 x 1440
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	5ms gray to gray	6ms (typical); 4ms (extreme mode)
Image Contrast Ratio	1000: 1 (typical)	1000 to 1	1000:1 (typical)
Brightness	250 cd/m² (typical)	250 cd/m²	300 WLED
Pixel Pitch	0.2745 mm x 0.2745 mm	0.27 (H) x 0.27 (V)mm	0.205 mm x 0.205 mm
Angle	178° H/V	178° H/V	178(H)/178(V)
Colors	16.7 million colors	Up to 16.7 million colors	16.7 million color
Input Signal	(1) DP, (1) DP out, (1) HDMI, (1) USB-C, (4) USB-A	1 USB-C, 1 HDMI, 1 DisplayPort	1 x USB Type-C1 Gen 1 (DP 1.4 Alt Mode) 1 x HDMI 2.0 1 x DP 1.4 1 x DP Out
Cables Included	DisplayPort (DP-DP); USB-C	USB-C Cable	1x DP Cable (1.8m) 1x USB-C® to USB-A Cable (1.8m) 1x USB-C to USB-C Cable (1.8m)
Tilt Base	Tilt (-5° to +21°)	–5° to +20°	–5° to +23°
Swivel	Swivel (45° to 45°)	Swivel (45° to 45°)	Swivel (45° to 45°)
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot (90° clockwise)	90° Pivotable	90° Pivotable
Mount	VESA comp.	VESA comp.	VESA comp.
Ports	(1) RJ-45; (1) DP; (1) DP out, capable of daisy chaining; (4) USB-A port; (1) USB-C; (1) HDMI	USB-C capable of charging all laptops **EXCEPT ELITE LAPTOP models** 3 x USB-A 3.2 Gen 1 1 x downstream 15W USB-C 1 x RJ-45 Ethernet Port 1 x HDMI 1.4 1 x DisplayPort™1.2 1 x DisplayPort™1.2-out	Ethernet: Yes (10M/100M/1000M) USB Upstream: 1 x USB 3.2 Gen 1² (by USB Type-C¹) USB Downstream: 4 x USB 3.2 Gen 1² (1 x BC1.2)"
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 14.33 in compressed, 19.53 extended; (W) 21.17 in; (D) 7.07 in; Weight 13.23lbs	21.24 x 1.85 x 12.7 in; 13.2lbs	7.86 x 13.73 x 21.24 inches; 12.6lbs

5.1a Flat Panel Monitor, 24-inch (with USB-C Hub) (Alternate Model)	Dell	HP	Lenovo
Vendor Model Number	U2424HE		
Display Type	IPS		
Aspect Ratio	16:9		
Max / Native Resolution	1920x1080 @ 60 Hz		
Response Time	5 ms (Fast mode), 8 ms (Normal mode)		
Image Contrast Ratio	1000:1 (typical)		
Brightness	250 cd/m² (typical)		
Pixel Pitch	0.2745 mm x 0.2745 mm		
Angle	178° H/V		
Colors	16.7 million colors		
Input Signal	(1) DP; (1) DP out; (1) HDMI; (3) USB-C; (1) USB-A		
Cables Included	DisplayPort (DP-DP); USB-C (C-C); USB-C (C-A)		
Tilt Base	Tilt (-5° to 21)		
Swivel	Swivel (-45° to 45°)		
Height Adjustable	Yes		
Rotation Capable	Pivot (-90° to 90°)		
Mount	VESA comp.		
Ports	(1) RJ-45; (1) DP Out, capable of daisy chaining; (4) USB port; USB-C w/90W power delivery		
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee		
Unit Dimensions and Weight	(H) 19.55 extended; (W) 21.21 in; (D) 7.16 in; Weight 11.86lbs		

5.1b Flat Panel Monitor, 24-inch (no USB-C Hub)	Dell	HP	Lenovo
Vendor Model Number	P2422H	E24 G5	ThinkVision P24q-30
Display Type	IPS	IPS	3-side NearEdgeless, In-Plane Switching
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1920x1080 @ 60Hz	1920 x 1080 @ 60 Hz	2560 x 1440
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	5ms (typical)	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static	1000:1 (typical)
Brightness	250 cd/m² (typical)	250 cd/m²	300 WLED
Pixel Pitch	0.2745 mm x 0.2745 mm	0.2745 x 0.2745 mm	0.205 mm x 0.205 mm
Angle	178° H/V	178° H/V	178(H)/178(V)
Colors	16.7 million colors	Up to 16.7 million color	16.7 million color
Input Signal	(1) DP, (1) VGA, (1) HDMI, (4) USB-A	1 DisplayPort, 1 HDMI, 1 USB-A	1 x USB Type-C1 Gen 1 (DP 1.4 Alt Mode) 1 x HDMI 2.0 1 x DP 1.4 1 x DP Out
Cables Included	DisplayPort (DP-DP); USB 3.2 Gen 1	1 HDMI, 1 DisplayPort	1x DP Cable (1.8m) 1x USB-A to USB-B Cable (1.8m)
Tilt Base	Tilt (-5° to +21°)	-15° to +20°	-5° to +23°
Swivel	Swivel (45° to 45°)	±45°	Swivel (-45° to 45°)
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot (90° clockwise)	90° Pivotable	90° Pivotable
Mount	VESA comp.	100 mm VESA mount	VESA comp.
USB Ports	(1) DP; (1) VGA; (1) HDMI; (4) USB-A; (1) USB 3.0 Upsteam; (1) HDMI	HDMI, DisplayPort™, USB-B, and 4 USB-A 3.2 ports	Supports daisy chain to P24h-30 USB Upstream 1 x USB 3.2 Gen 11 (by USB Type-B) USB Downstream 4 x USB 3.2 Gen 11 (1 x BC1.2)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 14.33 in compressed, 19.53 extended; (W) 21.17 in; (D) 7.07 in; Weight 12.28lbs	21.24 x 1.85 x 12.7 in; 11.92lbs	7.86 x 13.73 x 21.24 inches; 12.6lbs

5.1b Flat Panel Monitor, 24-inch (no USB-C Hub) (Alternate Model)	Dell	HP	Lenovo
Vendor Model Number	U2424H		
Display Type	IPS		
Aspect Ratio	16:9		
Max / Native Resolution	1920x1080 @ 120 Hz		
Response Time	5 ms (Fast mode), 8 ms (Normal mode)		
Image Contrast Ratio	1000:1 (typical)		
Brightness	250 cd/m² (typical)		
Pixel Pitch	0.2745 mm x 0.2745 mm		
Angle	178° H/V		
Colors	16.7 million colors		
Input Signal	(1) DP; (1) DP out; (1) HDMI; (2) USB-C; (2) USB-A 3.2 Gen2		
Cables Included	DisplayPort (DP-DP); USB		
Tilt Base	Tilt (-5° to 21)		
Swivel	Swivel (-45° to 45°)		
Height Adjustable	Yes		
Rotation Capable	Pivot (-90° to 90°)		
Mount	VESA comp.		
USB Ports	(1) DP Out, capable of daisy chaining; (3) USB port; USB-C w/90W power delivery		
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee		
Unit Dimensions and Weight	(H) 19.55 extended; (W) 21.21 in; (D) 7.16 in; Weight 11.86lbs		

5.2a Flat Panel Monitor, 27-inch (with USB-C hub)	Dell	HP	Lenovo
Vendor Model Number	P2723DE	E27u G5	ThinkVision P27h-30
Display Type	IPS	IPS	4-side NearEdgeless, In-Plane Switching
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	2560 x 1440 @ 60Hz	2560 x 1440 @ 60 Hz	2560x1440
Response Time	5ms (Fast mode), 8ms (Normal mode)	5ms gray to gray	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static	(1000:1), 3,000,000:1
Brightness	350, LED Backlight	350 nits	350 nits or cd/m2 (typical)
Pixel Pitch	0.2058 mm x 0.2058 mm	0.2331 x 0.2331 mm	0.2331 x 0.2331mm
Angle	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
Colors	16.7 million colors	16.7 million color	1.07 Billion
Input Signal	(1) DP; (1) DP out; (1) HDMI; (3) USB-C; (4) USB-A; (1) RJ-45	1 USB-C, 1 DisplayPort, 1 HDMI	1x USB-C 3.2 Gen 1 (DP 1.4 32.4 Gbps for 4 lanes Alt Mode, up to 100W), USB upstream 1x HDMI® 2.0 1x DisplayPort™ 1.4
Cables Included	DisplayPort (DP-DP); USB-C (C-A); USB-C (C-C)	USB-C cables	1x DP Cable (1.8m) 1x USB-C to USB-C Cable (1m) 1x USB-B to USB-A Cable (1.8m)
Tilt Base	Tilt (-5° to 21°)	-5° to +20°	-5° to +23°
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	100 mm VESA mount	VESA comp.
Ports	(1) DP; (1) DP out; (1) HDMI; (1) USB-C; (4) USB-A; (1) RJ-45	1 SuperSpeed USB Type-C® 5; 3 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging); 1 SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 15W USB Power Delivery), includes a RJ-45 port	Ethernet Yes (10M/100M/1000M) USB Upstream 1 x USB 3.2 Gen 1[2] (by USB Type-C[1]) USB Downstream 4 x USB 3.2 Gen 1[2] (1 x BC1.2)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 21.07 in; (W) 24.08 in; (D) 7.48 in; Weight 16.18lbs	24.15 x 1.82 x 14.35 in, 15.87lbs.	24.09 x 8.05 x 14.97 inches; 15.4lbs

5.2a Flat Panel Monitor, 27-inch (with USB-C hub) (ALTERNATE MODEL)	Dell	HP	Lenovo
Vendor Model Number	U2724DE		ThinkVision T27h-30
Display Type	IPS		3-side Borderless In-Plane Switching
Aspect Ratio	16:9		16:9
Max / Native Resolution	2560 x 1440 @ 120Hz		2560x1440
Response Time	5ms (Fast mode), 8ms (Normal mode)		6ms (typical)
Image Contrast Ratio	2000: 1 (typical)		(1000:1), 3,000,000:1
Brightness	350 cd/m² (typical)		350 nits or cd/m2 (typical)
Pixel Pitch	0.2331 mm x 0.2331 mm		0.2331 x 0.2331mm
Angle	viewing angle at 178°/ 178°		178(H)/178(V)
Colors	1.07 billion colors		16.7 million color
Input Signal	(1) DP; (1) DP out; (1) HDMI; (1) USB-C; (3) USB-A; (2) Thunderbolt 4; (1) RJ-45		1x USB-C 3.2 Gen 1 (DP 1.4 Alt Mode, up to 90W), USB upstream 1x HDMI® 2.0 1x DisplayPort™ 1.4
Cables Included	DisplayPort (DP-DP); USB-C (C-A); Thunderbolt 4		1x DP Cable (1.8m) 1x USB-C to USB-C Cable (1m) 1x USB-B to USB-A Cable (1.8m)
Tilt Base	Tilt (-5° to 21°)		-5° to +23°
Swivel	Swivel (-45° to 45°)		swivel: +/-45°
Height Adjustable	Yes		Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise		Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.		VESA comp.
Ports	1 x DP 1.4 (DRR for Microsoft Windows) 1 x DP out 1 x HDMI (HDCP 1.4) 1 x Thunderbolt™ 4 downstream 1 x Thunderbolt™ 4 upstream 1 x USB-C upstream 3 x USB-A (USB 3.2 Gen 2 10Gbps) 1 x RJ45 (2.5GbE)		1x USB-C 3.2 Gen 1 (DP 1.4 Alt Mode, up to 90W), USB upstream 4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream 1x Ethernet (RJ-45)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee		Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 21.09 in; (W) 24.10 in; (D) 7.57 in; 16.25lbs		.05 x 15.37 x 24.16 inches; 15.2lbs

5.2b Flat Panel Monitor, 27-inch (no USB-C hub)	Dell	HP	Lenovo
Vendor Model Number	P2723D	E27Q G5	ThinkVision P27q-30
Display Type	IPS	IPS	4-side NearEdgeless, In-Plane Switching
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	2560 x 1440 @ 60Hz	2560 x 1440 @ 60 Hz	2560x1440
Response Time	5ms (Fast mode), 8ms (Normal mode)	5ms gray to gray	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static	(1000:1), 3,000,000:1
Brightness	350, LED Backlight	350 nits	350 nits or cd/m2 (typical)
Pixel Pitch	0.2331 mm x 0.2331 mm	0.21 mm	0.2331 x 0.2331mm
Angle	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
Colors	16.7 million colors	16.7 million color	1.07 Billion
Input Signal	(1) HDMI; (1) DP; (1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream	1 USB-A, 1 DisplayPort, 1 HDMI	1x USB-C 3.2 Gen 1 (DP 1.4 32.4 Gbps for 4 lanes Alt Mode, up to 100W), USB upstream 1x HDMI® 2.0 1x DisplayPort™ 1.4
Cables Included	DisplayPort (DP-DP); USB (A-B)	1 HDMI, 1 DisplayPort	1x DP Cable (1.8m) 1x USB-B to USB-A Cable (1.8m)
Tilt Base	Tilt (-5° to 21°)	-5° to +20°	-5° to +23°
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	100 mm VESA mount	VESA comp.
Ports	(1) HDMI; (1) DP; (1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream	4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging);	Supports daisy chain to P27h-30 USB Upstream 1 x USB 3.2 Gen 11 (by USB Type-B) USB Downstream 4 x USB 3.2 Gen 11 (1 x BC1.2)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 21.07 in; (W) 24.08 in; (D) 7.48 in; Weight 14.9lbs	21.24 x 1.85 x 12.7 in, 15.34lbs.	24.09 x 8.05 x 14.97 inches; 15.0lbs

5.2b Flat Panel Monitor, 27-inch (no USB-C hub) (ALTERNATE MODEL)	Dell	HP	Lenovo
Vendor Model Number	U2724D	E27 G5	
Display Type	IPS	IPS	
Aspect Ratio	16:9	16:9	
Max / Native Resolution	2560 x 1440 @ 120Hz	1920 x 1080 @ 60 Hz	
Response Time	5ms (Fast mode), 8ms (Normal mode)	5ms gray to gray	
Image Contrast Ratio	2000: 1 (typical)	1000:1 static	
Brightness	350 cd/m² (typical)	300 nits	
Pixel Pitch	0.2331 mm x 0.2331 mm	0.2331 x 0.2331 mm	
Angle	viewing angle at 178°/ 178°	178° H/V	
Colors	1.07 billion colors	16.7 million color	
Input Signal	(1) DP; (1) DP out; (1) HDMI; (2) USB-C; (3) USB-A	1 DisplayPort, 1 HDMI	
Cables Included	DisplayPort (DP-DP); USB-C (C-A)	USB-C cables	
Tilt Base	Tilt (-5° to 21°)	-5° to +20°	
Swivel	Swivel (-45° to 45°)	±45°	
Height Adjustable	Yes	Yes	
Rotation Capable	Pivot 90°, clockwise and counterclockwise	90° Pivotable	
Mount	VESA comp.	100 mm VESA mount	
Ports	1 x DP 1.4 (DRR for Microsoft Windows) 1 x DP out 1 x HDMI (HDCP 1.4) 1 x USB-C upstream 2 x USB-A (USB 3.2 Gen 2 10Gbps) 1 x USB-A (USB 3.2 Gen 2 10Gbps with BC 1.2) 1 x USB-C downstream (USB 3.2 Gen 2 10Gbps, 15 W)	USB Type-C® video input: 1 SuperSpeed USB Type-C® 5Gbps signaling rate (up to 65W USB Power Delivery, Alt Mode DisplayPort™1.2); 1 HDMI 1.4; 1 DisplayPort™1.2; 1 DisplayPort™1.2-out; 3 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging); 1 RJ-45 (10/100/1000 Mbps); USB Type-C® data: 1 SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 15W USB Power Delivery)	
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	
Unit Dimensions and Weight	(H) 21.09 in; (W) 24.10 in; (D) 7.57 in; Weight 14.46lbs	24.15 x 1.82 x 14.35 in, 15.87lbs.	

5.3 Flat Panel Monitor, 24-inch (High Resolution)	Dell	HP	Lenovo
Vendor Model Number	P2423D	Z24Q G3	ThinkVision P24q-30
Display Type	IPS	IPS	3-side NearEdgeless, In-Plane Switching
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	QHD 2560 x 1440 at 60 Hz	2560 x 1440p	2560x1440
Response Time	5ms (Fast mode), 8ms (Normal mode)	5ms (typical)	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static; 10,000,000:1 dynamic	1000:1
Brightness	300 cd/m² (typical)	400 nits	300 cd/m2
Pixel Pitch	0.2058 mm x 0.2058 mm	0.21 mm	0.2058 x 0.2058 mm
Angle	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
Colors	16.7 million color	1.07 billion	16.7 million color
Input Signal	(1) HDMI; (1) DP; (1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream	DisplayPort, HDMI, USB-A	1 x USB Type-C1 Gen 1 (DP 1.4 Alt Mode) 1 x HDMI 2.0 1 x DP 1.4 1 x DP Out
Cables Included	DisplayPort (Dp-DP); USB (A-B)	1 HDMI, 1Displayport	1x DP Cable (1.8m) 1x USB-A to USB-B Cable (1.8m)
Tilt Base	Tilt (-5° to 21°)	-5 to +20°	-5 to +23°
Swivel	Swivel (-45° to 45°)	±45°	Swivel (-45° to 45°)
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot (90° clockwise)	90° Pivotable	90° Pivotable
Mount	VESA comp.	VESA Adapter	VESA comp.
Ports	(1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream	4 USB-A 3.2 Gen 1 1 USB-B ports	USB Upstream: 1 x USB 3.2 Gen 11 (by USB Type-B) USB Downstream: 4 x USB 3.2 Gen 11 (1 x BC1.2)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 19.53 in; (W) 21.17 in; (D) 7.07 in; Weight 12.02lbs	21.2 x 1.52 x 12.35 in; 10.6lbs	7.86 x 13.73 x 21.24 inches; 12.6lbs

5.4 Flat Panel Monitor, 27-inch (High Resolution, 4K)	Dell	HP	Lenovo
Vendor Model Number	P2723QE	E27K G5	ThinkVision T27p-30
Display Type	IPS	IPS	3-side NearEdgeless, In-Plane Switching
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	4K 3840 x 2160 at 60 Hz	4K UHD (3840 x 2160 @ 60 Hz)	3840 x 2160
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	5 ms gray to gray	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static; 10000000:1 dynamic	1000:1 (typical), 3000000:1 dynamic
Brightness	350 cd/m²	350 cd/m²	350 nits or cd/m2 (typical)
Pixel Pitch	.1554mm x .1554mm	0.1554 x 0.1554	0.1554 x 0.1554
Angle	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
Colors	1.07 billion colors	1.07 billion colors	1.07 billion color
Input Signal	(1) DP, (1) HDMI, (1) USB-C (90W power delivery); (1) RJ-45	HDMI, DisplayPort™, USB-C	1x USB-C 3.2 Gen 1 (DP 1.4 32.4 Gbps for 4 lanes Alt Mode, up to 90W), USB upstream 1x HDMI® 2.0 1x DisplayPort™ 1.4
Cables Included	DisplayPort (DP-DP); USB-C (C-C); USB-C (C-A)	USB-C Cable	1 x HDMI Cable 1 x USB Type-C to Type-C cable
Tilt Base	Tilt (-5° to 21°)	-5° to +20°	-5° to +30°
Swivel	Swivel (-45° to 45°)	±45°	Swivel (-45° to 45°)
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	VESA Adapter	VESA comp.
Ports	(4) USB-A; (1) DP; (1) HDMI; (1) USB-C; (1) RJ-45	HDMI, DisplayPort™, USB-C® plus 3 additional USB ports and 1 downstream 15W USB-C	4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream 1x Ethernet (RJ-45)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 21.07 in; (W) 24.08 in; (D) 7.28 in; Weight 15.9lbs	24.15 x 1.85 x 14.35 in, 22lbs	24.16 x 8.05 x 15.37 inches; 16.2lbs

5.5 Flat Panel Monitor, 24-inch for Video Conferencing	Dell	HP	Lenovo
Vendor Model Number	P2424HEB	E24M G4	ThinkVision T24v-30
Display Type	IPS	IPS	3-side NearEdgeless In-Plane Switching
Video Conference Capable	1 x 4MP RGB + IR 2K camera at 30 fps (FHD at 60 fps); 2 x digital microphones: 2 x speakers	Camera 5MP; 2 microphones; speakers	Integrated Webcam: Yes (1080p, IRRGB camera) Integrated Microphone: Yes Integrated Speakers: Yes (2 x 3W)
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1920 x 1080 @ 60Hz	1920 x 1080	1920 x 1080
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	5ms (typical)	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1	1000:1; 3M:1
Brightness	250 cd/m² (typical)	250 nits	250 cd/m2
Pixel Pitch	0.2745 mm x 0.2745 mm	0.2745mm x 0.2745mm	0.2745 x 0.2745 mm
Angle	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
Colors	16.7 million color	Up to 16.7 million color	16.7 million color
Input Signal	(1) DP; (1) HDMI; (1) USB-C (90W power delivery); (1) RJ-45	USB-C; DisplayPort, HDMI	1 x HDMI 1.4 1 x DP 1.2 1 x VGA
Cables Included	DP (DP-DP); USB-C (C-C); USB (A-B)	USB-C Cable	1x HDMI Cable (1.8m) 1x USB-A to USB-B Cable (1.8m)
Tilt Base	Tilt (-5° to 21°)	(-5 to +20)	-5 to +35°
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°; detachable stand
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot (90° clockwise)	Yes	90° Pivotable
Mount	VESA comp.	100 mm VESA mount	VESA comp.
Ports	(6) USB; (2) DP; (1) HDMI; (1) RJ-45	SuperSpeed USB Type-A 5Gbps signaling rate - 4 USB-A ports	1x USB-B 3.2 Gen 1, USB upstream 1x USB 2.0 3x USB 3.2 Gen 1, USB downstream
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 15.81; (W) 21.20 in; (D) 7.3 in; Weight 13.4lbs	21.24 x 1.85 x 14 in; 16.29lbs	21.25 x 7.86 x 15.27 inches; 13.2lbs

5.6 Flat Panel Monitor, 27-inch for Video Conferencing	Dell	HP	Lenovo
Vendor Model Number	P2724DEB	E27M	ThinkVision T27hv-30
Display Type	IPS	IPS	3-side NearEdgeless; In-Plane Switching
Video Conference Capable	1 x 4MP RGB + IR 2K camera at 30 fps (FHD at 60 fps); 2 x digital microphone; 2 x 5W speakers	Yes, 5MP	Camera 2592 x 1944, 5.0-megapixel, IR + RGB camera Microphone Integrated microphone Speakers Integrated Speakers, 2x 5W
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	2560 x 1440 @ 60 Hz	2560 x 1440 @ 60 Hz	2560x1440
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	5ms	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1	1000:1 (typical), 3000000:1 dynamic
Brightness	350, LED Backlight	300	350 nits or cd/m2 (typical)
Pixel Pitch	.2331mm x .2331mm	.2331mm x .2331mm	0.2331 x 0.2331 mm
Angle	178° vertical / 178° horizontal	178(H)/178(V)	178(H)/178(V)
Colors	16.7 mill color	16.7 Million colors	16.7 Million
Input Signal	(1) DP; (1) HDMI; (2) USB-C (90W power delivery); (1) RJ-45	USB-C, HDMI, DisplayPort	1x HDMI® 2.1 1x DisplayPort™ 1.4 1x DisplayPort out 1x USB-C 3.2 Gen 1 (DP 1.4 alt mode, up to 90W), USB upstream
Cables Included	DP (DP-DP); USB-C (C-C); USB (A-B)	USB-C Cable	1x USB-C® to USB-C Cable (1.8m)
Tilt Base	Tilt (-5° to 21°)	(-5 to +20)	(-5° to 35°)
Swivel	Swivel (-45° to 45°)	(-45 to +45)	Swivel (-45° to 45°)
Height Adjustable	Yes	Yes	Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise	Yes	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	VESA comp.	VESA comp.
Ports	HDMI; 2 DP; 1x RJ-45; 1 x USB 3.2 Gen1 Type-C; 1 x USB 3.2 Gen1 Type-B; 2 x USB 3.2 Gen1 Type-A; 1 x USB 3.2 Gen1 Type-C	HDMI, DisplayPort™, USB-C® plus four USB ports	1x USB-C 3.2 Gen 1 (DP 1.4 alt mode, up to 90W), USB upstream 4x USB 3.2 Gen 1, USB downstream 1x Ethernet (RJ-45)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 17.35 in; (W) 24.09 in; (D) 9.1 in; Weight 18.2lbs	24.13 x 1.85 x 15.61 in; 18.78lbs	24.17 x 8.06 x 16.91 inches; 17.4lbs

5.7 34-inch Curved Monitor	Dell	HP	Lenovo
Vendor Model Number	P3421W	P34hc G4 WQHD USB-C Curved	ThinkVision T34w-30
Display Type	IPS, Curved Screen (3800R)	VA curved Display 1500R	3-side NearEdgeless, VA 1500R
Aspect Ratio	21:9	21:9	21:9
Max / Native Resolution	WQHD 3440 x 1440 at 60 Hz	3440 x1440	3440 x 1440 @60Hz
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	5ms (typical)	6ms (typical)
Image Contrast Ratio	1000: 1 (dynamic)	1000 to 1	(3000:1), 3,000,000:1
Brightness	300 cd/m² (typical), LED Backlight	250 nits	350 WLED
Pixel Pitch	0.2325 mm x 0.2325 mm	0.231 mm	0.2317 x 0.2317 mm
Angle	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
Colors	1.07 billion colors	Up to 16.7 million colors	16.7 million colors
Input Signal	(1) DP; (1) HDMI; (1) USB-C (65W power delivery); (1) USB-A; (1) RJ-45	USB-C, HDMI, Displayport	1x USB-C 3.2 Gen 1 (DP 1.4 Alt Mode, up to 75W), USB upstream 1x HDMI® 2.0 1x DisplayPort™ 1.4
Cables Included	HDMI (HDMI-HDMI); DisplayPort (DP-DP); USB-C (C-C); USB 3.2 Gen 1	USB-C, HDMI, DisplayPort	1 x USB Type-C to Type-C cable (1.8 m)
Tilt Base	Tilt (-5° to 21°)	-5 to +20°	-5 to +23°
Swivel	Swivel (-30° to 30°)	N/A	Swivel (-45° to 45°)
Height Adjustable	Yes	Yes	Yes
Rotation Capable	N/A	N/A	N/A
Mount	VESA comp.	100 x 100 mm	VESA comp.
USB Ports	(1) HDMI; (1) DP; (1) USB-C; (5) USB	1 USB-C®, DisplayPort™, HDMI 4 SuperSpeed USB Type-A	4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream 1x Ethernet (RJ-45)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 15.4 in compressed, 21.30 in extended; (W) 32.11 in; (D) 9.35 in; Weight 14.85lbs (panel only - for VESA mount)	31.89 x 4.41 x 14.44 in; 23.17lbs	31.83 x 9.12 x 16.31 inches 20.94lbs

5.7 34-inch Curved Monitor (ALTERNATE MODEL)	Dell	HP	Lenovo
Vendor Model Number	U3423WE		
Display Type	IPS, Curved Screen (1900R)		
Aspect Ratio	21:9		
Max / Native Resolution	WQHD 3440 x 1440 at 60 Hz		
Response Time	5 ms (Fast mode), 8 ms (Normal mode)		
Image Contrast Ratio	2000: 1 (typical)		
Brightness	300 cd/m2 (typical), LED Backlight		
Pixel Pitch	0.2325 mm x 0.2325 mm		
Angle	(178° vertical / 178° horizontal)		
Colors	1.07 billion colors		
Input Signal	(1) DP; (2) HDMI; (2) USB-C; (1) RJ-45		
Cables Included	HDMI (HDMI-HDMI); DisplayPort (DP-DP), USB Type-C (C-C), USB 3.2 (A-C)		
Tilt Base	Tilt (-5° to 21°)		
Swivel	Swivel (-30° to 30°)		
Height Adjustable	Yes		
Rotation Capable	N/A		
Mount	VESA comp.		
USB Ports	USB-C 3.2 Gen 2 upstream/DisplayPort 1.4 Alt Mode with Power Delivery; USB-C 3.2 Gen 2 upstream; 4 x USB 3.2 Gen 2 downstream; USB-C 3.2 Gen 2 downstream; USB 3.2 Gen 2 downstream with Battery Charging 1.2		
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee		
Unit Dimensions and Weight	(H) 15.46 in compressed, 21.37 in extended; (W) 32.0 in; (D) 9.3 in; Weight 25.21lbs		

5.8 38-40 inch Curved Monitor	Dell	HP	Lenovo
Vendor Model Number	U3824DW	Z40C WUHD Curved	ThinkVision P40w-20
Display Type	IPS, Curved Screen (2300R)	IPS w/LED backlight, 2500R	3-side NearEdgeless In-Plane Switching 2500R
Video Conference Capable	N/A	Camera. Integrated speakers and noise-cancelling mic	N/A
Aspect Ratio	21:9	21:9	21:9
Max / Native Resolution	WQHD+ (3840 x 1600 @ 60 Hz)	5120 x 2160	5120 x 2160 @75Hz
Response Time	5 ms (Fast mode), 8 ms (Normal mode)	14ms	6ms (typical)
Image Contrast Ratio	2000: 1 (typical)	1000:1	1000:1 (typical), 3000000:1 dynamic
Brightness	300 cd/m² (typical), LED Backlight	300cd/m2	300 WLED
Pixel Pitch	0.22908 mm x 0.22908 mm	0.181 x 0.181	0.1815 x 0.1815 mm
Angle	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
Colors	1.07 billion colors	1.07 billion colors	1.07 billion color
Input Signal	(1) DP; (2) HDMI; (2) USB-C; (1) RJ-45; (4) USB-A	2 Thunderbolt (USB-C), 1 HDMI, 1 DisplayPort	1x HDMI® 2.0 1x DisplayPort 1.4 1x USB-B 3.2 Gen 1, USB upstream
Cables Included	HDMI (HDMI-HDMI); DisplayPort (DP-DP); USB-C (C-C); USB 3.2 (A-C)	HDMI, DisplayPort, USB-C	1 x Thunderbolt™ 4 cable (40 Gbps)
Tilt Base	Tilt (-5° to 21°)	-5° to +20°	-5° to +22°
Swivel	Swivel (-30° to 30°)	±45°	Swivel (-45° to 45°)
Height Adjustable	Yes	100 x 100 mm	Yes
Rotation Capable	N/A	N/A	N/A
Mount	VESA comp.	VESA mount	VESA comp.
Ports	(2) HDMI; (1) DP; (4) USB-C; (4) USB-A	HDMI, DisplayPort™, four USB-A 3.0 and a USB-B ports	1x USB-C® 3.2 Gen 1 (27W), USB downstream 4x USB 3.2 Gen 1, USB downstream 2x Thunderbolt 4 1x Ethernet (RJ-45
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	Three Year Next Business Day Advanced Exchange
Unit Dimensions and Weight	(H) 17.47 in compressed, 22.20 in extended; (W) 35.21 in; (D) 9.89 in; Weight 29.25lbs	37.3 x 5.59 x 17.6 in; 31.53lb	37.30 x 11.00 x 20.12 inches; 32.19 lbs

5.9 Portable 14 inch Monitor	Dell	HP	Lenovo
Vendor Model Number	P1424H	E14 G4 Portable	ThinkVision M14
Display Type	IPS / LED	IPS	IPS
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1920x1080 @ 60 Hz	1920x1080 @ 60 Hz	1920x1080 @ 60 Hz
Response Time	6 ms (gray-to-gray)	5ms gray to gray	6ms
Image Contrast Ratio	700:1 / 700:1 (typical)	800:1	Contrast Ratio: 700:1 Dynamic Contrast Ratio: 3M:1
Brightness	300 cd/m² (typical), LED Backlight	400 nits	300 nits
Pixel Pitch	0.1611 mm	0.161mm	0.1611 x 0.1611 mm
Angle	178° H/V	178° H/V	Horizontal: 178°, Vertical: 178°
Colors	16.7 million colors	Up to 16.7 million colors	16.7 Million
Input Signal	2 x USB-C/DisplayPort 1.2 Alt Mode (HDCP 1.4 / power up to 65W)	USB-C	2x USB-C 3.1 Gen 1 (DP 1.2 Alt Mode, one USB upstream, one USB downstream, USB 2.0 data transfer)
Cables Included	USB-C (C-C)	USB-C Cable	1x USB-C to USB-C Cable (1m)
Tilt Base	Tilt (10° to 90°)	(0 to 90)	Supports -5° to +90° tilt
Swivel	N/A	N/A	N/A
Height Adjustable	N/A	N/A	N/A
Rotation Capable	N/A	N/A	N/A
Mount	N/A	N/A	Supports VESA mount 100mm, 2 screw holes
Ports	(2) USB-C 3.2 Gen 1	(2) USB-C	2x USB-C 3.1 Gen 1 (DP 1.2 Alt Mode, one USB upstream, one USB downstream, USB 2.0 data transfer)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-site	Three (3) year next business day advanced exchange with return shipping included
Unit Dimensions and Weight	(H) 7.98 in; (W) 12.69 in (D) 0.56 in; Weight 1.41lbs	25.43 x 17.24 x10.59 in; 1.41lbs	12.73 x 3.8 x 8.23 inches; 1.31lbs

5.10 Portable 15 inch Monitor	Dell	HP	Lenovo
Vendor Model Number			ThinkVision M15
Display Type			IPS
Aspect Ratio			16:9
Max / Native Resolution			1920x1080 @ 60 Hz
Response Time			6ms
Image Contrast Ratio			Contrast Ratio: 1000:1 Dynamic Contrast Ratio: 3M:1
Brightness			250 nits
Pixel Pitch			0.179 x 0.179 mm
Angle			Horizontal: 178°, Vertical: 178°
Colors			16.7 Million
Input Signal			2x USB-C 3.1 Gen 1 (DP 1.2 Alt Mode, one USB upstream, one USB downstream, USB 2.0 data transfer)
Cables Included			1x USB-C to USB-C Cable (1m)
Tilt Base			Supports -5° to +90° tilt
Swivel			N/A
Height Adjustable			N/A
Rotation Capable			N/A
Mount			Supports VESA mount 100mm, 2 screw holes
Ports			2x USB-C 3.1 Gen 1 (DP 1.2 Alt Mode, one USB upstream, one USB downstream, USB 2.0 data transfer)
Hardware Warranty			Three (3) year next business day advanced exchange with return shipping included
Unit Dimensions and Weight			4.27 x 9.27 x 14.17 inches; 1.9 lbs

SECTION 4: Updates to Award

2023-09-21: Corrected the Microsoft Studio Laptop part number.
2023-09-26: Updated memory for Dell High End Laptop models 2.4a & 2.4b configurations to DDR5.
2023-10-09: Dell made the following updates:
Item 2.3a – High End Laptop 1 (Intel U Processor, Non-Touch): Corrected Dell Quote Number
Item 5.1a-ALT - ALTERNATE Flat Panel Monitor, 24-inch (with USB-C Hub): Model changed to U2424HE
Items 1.16 & 2.31 – Webcams: Price decreased
2023-10-12: Dell decreased the pricing on the following laptop and monitor configurations:
Item 2.1a (512GB) - Standard Laptop (Intel, Non-Touchscreen, 512GB SSD)
Item 2.1b (512GB) - Standard Laptop (Intel, Touchscreen, 512GB SSD)
Item 2.5a - Elite Laptop 1 (Intel i7 vPro, 4GB Video, 32GB Memory, 512GB SSD, Non-Touchscreen)
Item 2.5b - Elite Laptop 1 (Intel i7 vPro, 4GB Video, 32GB Memory, 512GB SSD, Touchscreen)
Item 5.2a - Flat Panel Monitor, 27-inch (with USB-C hub)
Item 5.3 - Flat Panel Monitor, 24-inch (High Resolution)
Item 5.5 Flat Panel Monitor, 24-inch for Video Conferencing
2023-10-23: Formatting updates.
2023-11-13: HP decreased the pricing on the following desktop and laptop configurations:
1.5a - Micro/Tiny Desktop (Intel i3 Proc, 256GB SSD)
1.5b - Micro/Tiny Desktop (Intel i3 Proc, 512GB SSD)
1.6 - Micro/Tiny Desktop (Intel i5 Proc, 512GB SSD, Wireless card)
2.1a – (256GB) Standard Laptop (Intel, Non-Touchscreen, 256GB SSD)
2.2a – (AMD, 256GB) Standard Laptop (AMD, Non-Touchscreen, 256GB SSD)
2.3a - High End Laptop 1 (Intel U Processor, Non-Touchscreen)
2.3b - High End Laptop 1 (Intel U Processor, Touchscreen)
2.3c - High End Laptop 1 (AMD Processor, Non-Touchscreen)
2.3d - High End Laptop 1 (AMD Processor, Touchscreen)
2.4a - High End Laptop 2 (Intel P Processor, vPro, Non-Touchscreen)
2.4b - High End Laptop 2 (Intel P Processor, vPro, Touchscreen)
2.5a - Elite Laptop 1 (Intel i7 vPro, 4GB Video, 32GB Memory, 512GB SSD, Non-Touchscreen)
2.5b - Elite Laptop 1 (Intel i7 vPro, 4GB Video, 32GB Memory, 512GB SSD, Touchscreen)

2.6a - Elite Laptop 2 (Intel i9 vPro, 4GB Video, 32GB Memory, 1TB SSD, Non-Touchscreen)
2.8a-ALT - ALTERNATE Ultralight Laptop (Intel, non-vPro)
2.8b-ALT - ALTERNATE Ultralight Laptop (Intel vPro)
3.1a - 2-in-1 Laptop / Tablet (No WWAN)
3.1b - 2-in-1 Laptop / Tablet (AT&T)
3.1c - 2-in-1 Laptop / Tablet (Verizon)
3.2a - 2-in-1 Laptop / Tablet (No WWAN)(Intel vPro)

2023-12-06: Dell made the following update:
5.1b-ALT - ALTERNATE Flat Panel Monitor, 24-inch (no USB-C Hub) (should be "sister" monitor to ALTERNATE 5.1a-ALT): Model changed to U2424H

2024-02-05: Dell made the following updates:

5.2a - Flat Panel Monitor, 27-inch (with USB-C hub) (ALTERNATE MODEL): Model changed to U2724DE
5.2b - Flat Panel Monitor, 27-inch (no USB-C hub) (ALTERNATE MODEL): Model changed to U2724D
5.5 - Flat Panel Monitor,24-inch for Video Conferencing: Model changed to P2424HEB
5.6 - Flat Panel Monitor, 27-inch for Video Conferencing: Model changed to P2724DEB

2024-02-12: Dell made the following update:
2.25 & 3.08 - Laptop Backpack (nylon,water-resistant) – Dell changed part number

2024-03-08: Microsoft removed end of life part number JWM-00001 (Microsoft Surface USB-C to Ethernet and USB Adapter) from laptop and 2-in-1 configuration and Item 6.05. Added Surface USB-C Travel Hub – pt# 1E4-00001 as Item 2.29b.

2024-04-11: Dell made the following updates:
2.6a - Elite Laptop 2 (Intel i9 vPro, 4GB Video, 32GB Memory, 1TB SSD, Non-Touchscreen) – Replaced end of life model with Precision 3591
2.6b - Elite Laptop 2 (Intel i9 vPro, 4GB Video, 32GB Memory, 1TB SSD, Touchscreen) – Replaced end of life model with Precision 3591
6.05 - USB-C to Ethernet Adapter – Dell changed part number