

# 2024-2025 IT Volume Purchase Master Award

## Table of Contents

<b>SECTION 1: Ordering Instructions .....</b>	<b>2</b>
<b>SECTION 2: PC Volume Purchase Master Award 500863 Pricing.....</b>	<b>6</b>
Desktop and Workstation Model and Options Pricing.....	6
Portable/Laptop Model and Options Pricing .....	9
2-in-1 Laptop/Tablet Model and Options Pricing.....	20
Accessories for all Desktop and Laptop Pricing.....	24
Monitor and Monitor Options Pricing.....	26
Miscellaneous Cables and Options Pricing.....	28
<b>SECTION 3: Model Configurations .....</b>	<b>30</b>
Desktop and Workstation Configurations .....	30
Portable/Laptop Configurations .....	40
2-in-1 Laptop/Tablet Configurations.....	60
Monitor Configurations .....	68
<b>SECTION 4: Updates to Award.....</b>	<b>85</b>

## **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 Purchase 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](mailto: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 Contract: Kris Ross Email: <a href="mailto:Kris_Ross@dell.com">Kris_Ross@dell.com</a>
<b>HP</b> <b>(All HP orders should be placed with with one of HP's designated resellers listed)</b>	Applied Data Technologies (HUB Vendor) 8515 Crown Crescent Ct. Charlotte, NC 28227	Phone: 800-267-1419 Email: <a href="mailto:NCBulkBuy@AppliedDataTech.com">NCBulkBuy@AppliedDataTech.com</a>
	CDWG 230 N. Milwaukee Ave. Vernon Hills, IL 60061	Phone: 866-819-6497 Contact: Joe Barese Email: <a href="mailto:josebar@cdw.com">josebar@cdw.com</a>
	Netcom Business Solutions 2900 Village Drive Fayetteville, NC 28304	Phone: 910-486-5040 Contact: Todd Jordan Email: <a href="mailto:tjordan@netcombsi.com">tjordan@netcombsi.com</a>
Lenovo	1009 Think Place Morrisville, NC 27560	Phone: 919-874-2931 Contact: Tanika Melvin Email: <a href="mailto:tmelvin@lenovo.com">tmelvin@lenovo.com</a>
<b>Microsoft</b> <b>(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).</b>	Applied Data Technologies (HUB Vendor) 8515 Crown Crescent Ct. Charlotte, NC 28227	Phone: 800-267-1419 Email: <a href="mailto:NCBulkBuy@AppliedDataTech.com">NCBulkBuy@AppliedDataTech.com</a>
	CDWG 230 N. Milwaukee Ave. Vernon Hills, IL 60061	Phone: 866-819-6497 Contact: Joe Barese Email: <a href="mailto:josebar@cdw.com">josebar@cdw.com</a>

Microsoft (continued)	Microsoft Store One Microsoft Way Redmond, WA 98052	Phone: 866-425-4709 Email: <a href="mailto:msncsc@microsoft.com">msncsc@microsoft.com</a>
	SHI International Corp. (HUB Vendor) 290 Davidson Avenue Somerset, NJ 08873	Phone: 800-715-3197 Email: <a href="mailto:southeastteamgov@shi.com">southeastteamgov@shi.com</a>

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 500863". <b>(Note: Select 204A as Contract number on E-Procurement requisitions.)</b>
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., Item 1.1 Standard Desktop (256GB SSD)) <u>AND</u> Vendor Part Number from Section 2.  <b>NOTE: Agencies may order any of the Monitor configurations from any of the awarded vendors.</b>
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)" <u>AND</u> the Vendor Part Number from Section 2. If you need a 2-in-1 Laptop/Tablet with WWAN capability from either AT&T, Verizon, or T-Mobile, include the appropriate configuration name <u>AND</u> Vendor Part Number from Section 2. <b>Note that Dell, HP, Lenovo, &amp; Microsoft may have different Vendor Part Numbers for the four 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&amp;T, T-Mobile, or Verizon model.</b>  <b>To obtain AT&amp;T, T-Mobile, or Verizon data service for your 2-in-2 Laptop/Tablet, you should use the 915A IT Statewide Term Contract for Cellular Services.</b>
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. <b>Please closely review the listed Option items to make sure you are ordering the correct Option for the Desktop, Portable, or 2-in-1 Laptop / Tablet configuration and Vendor that are listed on your requisition.</b>
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. <b>Also, please contact the appropriate awarded vendor and notify them of any special delivery requirements.</b> 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. **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. Agencies should contact Dell to get a quote for the device with any extended or upgraded warranty included in the pricing.**

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](http://www.dell.com/support)
- For HP – Agencies can download individual drivers at [www.hp.com](http://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](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.**

Value Added Service Option	Dell		HP		Lenovo		Microsoft	
	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	Contact Lenovo	\$19.00	<b>** Agencies should contact Microsoft reseller for quotes on any Value-Added Services requested with their product purchases.</b>	
Asset Tags	366-0331	\$14.98	ADT1002	\$5.00	Contact Lenovo	\$6.00		
Installation	TBD	TBD - Contact Vendor for Quote	ADT1003	\$30.00	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: Occasional worldwide component shortages 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](mailto: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 500863 Pricing

The 2045-2025 PC Volume Purchase has been awarded to multiple vendors. Agencies may select from any 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	1.1	Standard Desktop (256GB SSD)	3000180115774	\$538.00	11ANCVP25	\$594.00	12U7S07J00	\$555.00
	1.2	Mid-Range Desktop	3000180849714	\$775.00	12ANCVP25	\$773.00	12U7S07K00	\$770.00
	1.3	Workstation 1 (i7 Proc, 8GB Video, 64GB Memory, 1TB SSD)	3000180115947	\$1,242.00	13ANCVP25	\$1,464.00	30GUSGSB00	\$1,630.00
	1.4	Workstation 2 (i9 Proc, 16GB Video, 64GB Memory, 1TB SSD)	3000180116038	\$1,725.00	14ANCVP25	\$1,984.00	30GUSGSC00	\$2,190.00
	1.5	Micro/Tiny Desktop (Intel i3 Proc, 512GB SSD)	3000180852443	\$532.00	15ANCVP25	\$598.00	12TES2R800	\$550.00
	1.6	Micro/Tiny Desktop (Intel i5 Proc, 512GB SSD, Wireless card)	3000180852515	\$625.00	16ANCVP25	\$700.40	12TES2R700	\$660.00

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)	AC774044	\$113.00	4M9Y0AA	\$165.90	4X71K53891	\$168.00
Mid-Range Desktop	1.08	16.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774044	\$113.00	4M9Y0AA	\$165.90	4X71K53891	\$168.00
Tiny/Micro Desktop	1.09	16.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774048	\$113.00	4M9Y5AA	\$165.90	4X71K20069	\$168.00
Standard Desktop	1.10	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774043	\$192.00	4M9Y2AA	\$301.35	4X71K53892	\$248.00
Mid-Range Desktop	1.11	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774043	\$192.00	4M9Y2AA	\$301.35	4X71K53892	\$248.00
Workstation 1	1.12a	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774043	\$192.00	4M9Y2AA	\$301.35	4X71N34265	\$248.00
Workstation 2	1.12b	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774043	\$192.00	4M9Y2AA	\$301.35	4X71N34265	\$248.00
Tiny/Micro Desktop	1.13	32.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774046	\$192.00	4M9Y7AA	\$301.35	4X71K20070	\$248.00
Workstation 1	1.14a	64.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774046 X2	\$402.00				
Workstation 2	1.14b	64.0GB Non-ECC DDR SDRAM Memory (1 DIMM)	AC774046 X2	\$402.00				
Tiny/Micro Desktop	1.15	Micro VESA Mount with adapter box	452-BDUY	\$20.00	99T55AA	\$42.00		
Tiny/Micro Desktop	1.16	Micro All-in-One Stand	452-BDUB	\$65.00	G1V61AA	\$118.65	4XF0L72015	\$105.60
Standard Desktop	1.17	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U11C1E	\$23.00	5WS0W86756+5PS0D80974 (order both parts)	\$50.40
Mid-Range Desktop	1.18	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U11C1E	\$23.00	5WS0W86756+5PS0D80974 (order both parts)	\$50.40

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
Workstation 1 & 2	1.19	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U1G56E	\$20.00	5WS0W86700+5PS0Q11739 (order both parts)	\$41.60
Tiny/Micro Desktop	1.20	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U11C1E	\$20.00	5WS0W86756+5PS0D80974 (order both parts)	\$50.40
Standard Desktop	1.21	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U11C2E	\$39.00	5WS0W86663+5PS0K26186 (order both parts)	\$106.40
Mid-Range Desktop	1.22	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U11C2E	\$39.00	5WS0W86663+5PS0K26186 (order both parts)	\$106.40
Workstation 1 & 2	1.23	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U1G57E	\$38.00	5WS0W86759+5PS0Q11741 (order both parts)	\$90.40
Tiny/Micro Desktop	1.24	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U11C2E	\$39.00	5WS0W86663+5PS0K26186 (order both parts)	\$106.40



**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 - (256GB)	2.1a Standard Laptop (Intel, Non-Touchscreen, 256GB SSD)	3000180116352	\$742.00	21ANCVP25	\$740.00	21M8S20K00	\$769.00		
	2.1b - (512GB)	Standard Laptop (Intel, Non-Touchscreen, 512GB SSD)	3000180116431	\$762.00	21BNCVP25	\$760.00	21M8S20N00	\$779.00		
	2.2a - (256GB)	Standard Laptop (Intel, Touchscreen, 256GB SSD)	3000180116504	\$778.00	22ANCVP25	\$777.00	21M8S20M00	\$810.00		
	2.2a - (256GB)-ALT	ALTERNATE Standard Laptop (Intel, Touchscreen, 256GB SSD)							Must Order 2 Parts:	\$1,301.51 ZGV-00001 - \$1,011.99 (Laptop) ZWL-00042 - \$289.52 (3YR. Warranty)
									Must Order 2 Parts:	Black Model: \$2,129.51 ZLQ-00001 - \$1,839.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
	2.2b - (512GB)	Standard Laptop (Intel, Touchscreen, 512GB SSD)	3000180116586	\$798.00	22BNCVP25	\$796.00	21M8S20L00	\$835.00	Must Order 2 Parts:	Platinum Model: \$2,129.51 ZLQ-00026 - \$1,839.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
	2.2b - (512GB)-ALT	ALTERNATE Standard Laptop (Intel, Touchscreen, 512GB SSD)							Must Order 2 Parts:	\$1,669.51 ZGZ-00001 - \$1,379.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)

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	2.3a	High End Laptop 1 (Intel Processor, non-vPro, Non-Touchscreen)	3000180116644	\$905.00	23ANCVP25	\$904.00	21L4S3DA00	\$940.00		
									Must Order 2 Parts:	<b>Black Model:</b> \$2,681.51 ZLU-00001 – \$2,391.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
	2.3b	High End Laptop 1 (Intel Processor, non-vPro, Touchscreen)	3000180116695	\$962.00	23BNCVP25	\$960.00	21L4S3DB00	\$1,010.00	Must Order 2 Parts:	<b>Platinum Model:</b> \$2,681.51 ZLQ-00026 – \$2,391.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
	2.3b-ALT	ALTERNATE High End Laptop 1 (Intel Processor, non-vPro, Touchscreen)							Must Order 2 Parts:	<b>\$2,313.51</b> ZHR-00001 - \$2,023.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
	2.4a	High End Laptop 2 (Intel Processor, vPro, Non-Touchscreen)	3000180116757	\$948.00	24ANCVP25	\$987.00	21L4S3DC00	\$970.00		
	2.4b	High End Laptop 2 (Intel Processor, vPro, Touchscreen)	3000180116850	\$999.00	24BNCVP25	\$1020.00	21L4S3D900	\$1,040.00		
	2.5a	Elite Laptop 1 (Intel i7 vPro, 6GB Video, 32GB Memory, 512GB SSD, Non-Touch)	3000180116914	\$1,202.00	25ANCVP25	\$1303.00	21KTS25300	\$1,320.00		
	2.5b	Elite Laptop 1 (Intel i7 vPro, 6GB Video, 32GB Memory, 512GB SSD, Touchscreen)	3000180116964	\$1,262.00	25BNCVP25	\$1333.00	21KTS25200	\$1,400.00		

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	2.6a	Elite Laptop 2 (Intel i9 vPro, 8GB Video, 32GB Memory, 1TB SSD, Non-Touch)	3000180117053	\$1,781.00	26ANCVP25	\$1833.00	21KWS31K00	\$2,230.00		
	2.6b	Elite Laptop 2 (Intel i9 vPro, 8GB Video, 32GB Memory, 1TB SSD, Touchscreen)	3000180117109	\$1,818.00	26BNCVP25	\$1854.00	21KYS2HF00	\$2,140.00		
	2.7a	Elite Laptop 3 (Intel i9 vPro, 12GB Video, 64GB Memory, 1TB SSD, Non-Touch)	3000180117172	\$2,363.00	27ANCVP25	\$2629.00	21FBSD5H00	\$2,719.00		
	2.7b	Elite Laptop 3 (Intel i9 vPro, 12GB Video, 64GB Memory, 1TB SSD, Touchscreen)	3000180117217	\$2,502.00	27BNCVP25	\$2693.00	21FBSD5J00	\$3,000.00		
									Must Order 2 Parts:	<u>Platinum Model:</u> <b>\$2,313.51</b> ZJZ-00026 – \$2,023.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
									Must Order 2 Parts:	<u>Black Model:</u> <b>\$2,313.51</b> ZJZ-00001 – \$2,023.99 (Laptop) ZWL-00042 - \$289.52 (3YR Warranty)
	2.8a	Ultralight Laptop (non-vPro)	3000180117287	\$978.00	28ANCVP25	\$972.00	21LVS40Y00	\$1,085.00		
	2.8b	2.8b Ultralight Laptop (Intel vPro)	3000180117331	\$1,050.00	28BNCVP25	\$1049.00	21LVS40X00	\$1,190.00		

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)	AC774046	\$200.00	83P91AA x 2	\$126.00 (per memory stick)	4X71N41633 x 2	\$168.00 (per memory stick)		
High End Laptop 1	2.10a	32.0GB DDR SDRAM Memory (1 DIMM)	AC774046	\$200.00	83P92AA	\$223.65	4X71M23189	\$320.00		
High End Laptop 2	2.10b	32.0GB DDR SDRAM Memory (1 DIMM)	AC774046	\$200.00	83P92AA	\$223.65	4X71M23189	\$320.00		
Elite Laptop 1	2.11a	32.0GB DDR SDRAM Memory (1 DIMM)	AC774046	\$200.00	83P92AA	\$223.65	4X71M23189	\$320.00		
Elite Laptop 2	2.11b	32.0GB DDR SDRAM Memory (1 DIMM)	AC774046	\$200.00	83P92AA	\$223.65	4X71Q25456 (model 2.6a only)	\$328.00		
							4X71M23189 (model 2.6b only)	\$320.00		
Standard Laptop	2.12	64.0GB DDR SDRAM Memory (1 DIMM or 2 DIMM)	AC774046 X2	\$400.00						
High End Laptop 1	2.13a	64.0GB DDR SDRAM Memory (1 DIMM or 2 DIMM)	AC774046 X2	\$400.00						
High End Laptop 2	2.13b	64.0GB DDR SDRAM Memory (1 DIMM or 2 DIMM)	AC774046 X2	\$400.00						
Elite Laptop 1	2.14a	64.0GB DDR SDRAM Memory (1 or 2 DIMM)	AC774046 X2	\$400.00						
Elite Laptop 2	2.14b	64.0GB DDR SDRAM Memory (1 DIMM)	AC774046 X2	\$400.00			4X71Q25457 (model 2.6a only)	\$640.00		

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	2.14c	64.0GB DDR SDRAM Memory (1 DIMM)	AC774046 X2	\$400.00			4X71Q25457	\$640.00		
Elite Laptop 3	2.15	128.0GB DDR SDRAM Memory (1 DIMM)	370-AHFR	\$1,425.00						
Standard Laptop	2.16	Port Replicator (Docking Station)	210-AZBG	\$150.00	5TW10AA	\$141.75	40AY0090US	\$176.00		
High End Laptop 1	2.17a	Port Replicator (Docking Station)	210-AZBG	\$150.00	5TW10AA	\$141.75	40AY0090US	\$176.00		
High End Laptop 2	2.17b	Port Replicator (Docking Station)	210-AZBG	\$150.00	5TW10AA	\$141.75	40AY0090US	\$176.00		
Elite Laptop 1	2.18a	Port Replicator (Docking Station)	210-BDQH	\$166.00	4J0A2AA	\$199.50	40B00300US	\$270.00		
Elite Laptop 2	2.18b	Port Replicator (Docking Station)	210-BDQH	\$166.00	4J0A2AA	\$199.50	40B00300US	\$270.00		
Elite Laptop 3	2.18c	Port Replicator (Docking Station)	210-AZBN	\$181.00	4J0G4AA	\$232.05	40B00300US	\$270.00		
Ultralight Laptop	2.19	Port Replicator (Docking Station)	210-BDQH	\$166.00	5TW10AA	\$141.75	40AY0090US	\$176.00		
All Laptop Configurations	2.20	USB/Thunderbolt Universal Docking Station	210-BDQH	\$166.00	4J0A2AA	\$199.50	40B00135US	\$224.00	T8I-00001	\$263.99
Standard Laptop	2.21	USB-C AC Adapter/Power Supply	450-BCXL	\$30.00	1P3K6AA	\$32.55	4X20M26268	\$36.00		
High End Laptop 1	2.22a	USB-C AC Adapter/Power Supply	450-BCXL	\$30.00	1P3K6AA	\$32.55	4X20M26268	\$36.00		

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	2.22b	USB-C AC Adapter/Power Supply	450-BCXL	\$30.00	1P3K6AA	\$32.55	4X20M26268	\$36.00		
Elite Laptop 1	2.23a	USB-C AC Adapter/Power Supply	492-BDKM	\$40.00	8B3Y2UT	\$57.96				
Elite Laptop 2	2.23b	USB-C AC Adapter/Power Supply	450-AHOM	\$49.00						
Elite Laptop 3	2.23c	USB-C AC Adapter/Power Supply								
Elite Laptop 1	2.24a	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)					4X21H27800	\$56.00		
Elite Laptop 2	2.24b	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)			4SC18AA	\$48.30	4X20S56697	\$78.00		
Elite Laptop 3	2.24c	AC Adapter / Power Supply - (traditional 45 degree/right angle or barrel adapters)	492-BDHI	\$49.00	6E6M1AA	\$44.10	4X20S56713	\$110.00		
Ultralight Laptop	2.25	USB-C AC Adapter/Power Supply	450-BCXL	\$30.00	1P3K6AA	\$32.55	4X20M26268	\$36.00		
All Laptop Configurations	2.26	Nylon Carrying Case	460-BDKB	\$20.00	1X644AA	\$26.88	4X41C12469	\$23.00		
All Laptop Configurations	2.27	Ruggedized Case								
All Laptop Configurations	2.28	Laptop Backpack (nylon,water-resistant)	460-BDSW	\$19.00	1X645AA	\$21.86	4X40T84059	\$17.00		
All Laptop Configurations	2.29	Cable Lock	AA549668	\$25.00	T1A62AA	\$26.25	4XE1B81916	\$40.00		
All Laptop Configurations	2.30	4-Port USB 3.0 Hub with cable			Z6A00AA	\$22.05	4X90X21427	\$29.10		

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	2.31	USB-C Travel Hub - docking station - USB-C - VGA, HDMI - GigE	470-AETL	\$60.00	86S97UT	\$50.40	4X90S92381	\$101.85	1E4-00001	\$87.99
Standard Laptop	2.32	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U86E2E	\$51.00	5WS0W86734+ 5WS0L13023 (order both parts)	\$82.40		
High End Laptop 1 & 2	2.33	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U85GSE	\$60.00	5WS0W86726+ 5PS0G79465 (order both parts)	\$82.40		
Elite Laptop 1	2.34a	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U85R4E	\$92.00	5WS1H31743+ 5PS1H31761 (order both parts)	\$81.60		
Elite Laptop 2	2.34b	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U85R4E	\$92.00	5WS0W86674+ 5PS0V07106 (model 2.6a only) (order both parts)	\$89.60		
Elite Laptop 3	2.34c	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U85R4E	\$92.00	5WS1H31743+ 5PS1H31761 (model 2.6b only) (order both parts)	\$81.60		

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	2.35	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$110.00	U85GSE	\$60.00	5WS0W86726+ 5PS0G79465 (order both parts)	\$82.40		
Standard Laptop	2.36	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U86E3E	\$90.00	5WS0W86733+ 5PS0K27099 (order both parts)	\$143.20		
High End Laptop 1 & 2	2.37	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U85GTE	\$106.00	5WS0W86735+ 5PS0K18198 (order both parts)	\$191.20		
Elite Laptop 1	2.38a	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U85RDE	\$164.00	5WS1H31773+ 5PS1H31796 (order both parts)	\$191.20		
Elite Laptop 2	2.38b	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U85RDE	\$164.00	5WS0W86655+ 5PS0V07084 (model 2.6a only) (order both parts)	\$199.20		
							5WS1H31773+ 5PS1H31796 (model 2.6b only) (order both parts)	\$191.20		
Elite Laptop 3	2.38c	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U85RDE	\$164.00	5WS0W86655+ 5PS0V07084 (order both parts)	\$199.20		



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	2.39	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$220.00	U85GTE	\$106.00	5WS0W86735+5PS0K18198 (order both parts)	\$191.20		
Standard Laptop	2.40	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS0L01988	\$32.00		
High End Laptop 1 & 2	2.41	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS0A23013	\$32.00		
Elite Laptop 1	2.42a	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS1H31713	\$32.00		
Elite Laptop 2	2.42b	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS0V07085 (model 2.6a only)	\$32.00		
							5WS1H31713 (model 2.6b only)	\$32.00		
Elite Laptop 3	2.42c	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS0V07085	\$32.00		
Ultralight Laptop	2.43	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS0V07085	\$32.00		
Standard Laptop	2.44	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U86E4E	\$67.00	5PS0L30075	\$79.20		
High End Laptop 1 & 2	2.45	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U85GVE 1	\$77.00	5PS0A23193	\$76.00		
Elite Laptop 1	2.46a	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U85QYE	\$112.00	5PS1H31737	\$87.20		
Elite Laptop 2	2.46b	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U85QYE	\$112.00	5PS0V07049 (model 2.6a only)	\$103.20		

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
							5PS1H31737 (model 2.6b only)	\$87.20		
Elite Laptop 3	2.46c	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U85QYE	\$112.00	5PS0V07049	\$103.20		
Ultralight Laptop	2.47	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U85GVE	\$77.00	5PS0A23193	\$76.00		
Standard Laptop	2.48	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U86E5E	\$143.00	5PS0L30070	\$111.20	ZWM-00043 (Surface 6)	\$335.52
High End Laptop 1 & 2	2.49	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U85GWE	\$164.00	5PS0A22966	\$119.20	ZWM-00043 (Surface 6)	\$335.52
Elite Laptop 1	2.50a	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U85R6E	\$245.00	5PS1H31762	\$119.20		
							5PS0V07113 (model 2.6a only)	\$159.20		
Elite Laptop 2	2.50b	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U85R6E	\$245.00	5PS1H31762 (model 2.6b only)	\$119.20		
Elite Laptop 3	2.50c	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U85R6E	\$245.00	5PS1H31762	\$119.20		
Ultralight Laptop	2.51	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U85GWE	\$164.00	5PS0V07113	\$119.20	ZWM-00043 (Surface 6)	\$335.52
Standard Laptop	2.52	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U86E6E	\$251.00	5PS0K27092	\$151.20		
High End Laptop 1 & 2	2.53	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U85GXE	\$288.00	5PS0K18187	\$143.20		
Elite Laptop 1	2.54a	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U85RGE	\$433.00	5PS1H31752	\$143.20		

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 2	2.54b	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U85RGE	\$433.00	5PS0V07056 (model 2.6a only)	\$175.20		
							5PS1H31752 (model 2.6b only)	\$143.20		
Elite Laptop 3	2.54c	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U85RGE	\$433.00	5PS0V07056	\$175.20		
Ultralight Laptop	2.55	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U85GXE	\$288.00	5PS0K18187	\$143.20		
Elite Laptop 1	2.56	130W Multi-Port Charger					G0A6130WUS	\$80.00		

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)	3000180117472	\$1,146.00	31ANCV25	\$1,140.00			Must Order all 4 Parts:	<b>\$2,647.09</b> ZDY-00001- \$2,207.99 (Tablet) EP2-00395 - \$123.19 (Keyboard) ZWL-00033 - \$289.52 (3YR Tablet Warranty) SPC-00005 - \$26.39 (3YR Keyboard Wty.)
	3.1a-ALT-512GB	ALTERNATE 2-in-1 Laptop / Tablet (No WWAN) (512GB SSD, 16GB Memory)								<b>\$1,911.09</b> (512GB SSD, 16GB Memory) ZIN-00001- \$1,471.99 (Tablet) EP2-00395 - \$123.19 (Keyboard) ZWL-00033 - \$289.52 (3YR Tablet Warranty) SPC-00005 - \$26.39 (3YR Keyboard Wty.)

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-ALT-1TB	ALTERNATE 2-in-1 Laptop / Tablet (No WWAN) (1TB SSD, 32GB Memory)							Must Order all 4 Parts:	\$2,463.09 (1TB SSD, 32GB Memory) ZIR-00001 - \$2,023.99 (Tablet) EP2-00395 - \$123.19 (Keyboard) ZWL-00033 - \$289.52 (3YR Tablet Warranty) SPC-00005 - \$26.39 (3YR Keyboard Wty.)
	3.1b	2-in-1 Laptop / Tablet (AT&T)	3000180117534	\$1,195.00	31BNCVP25	\$1,194.00				
	3.1c	2-in-1 Laptop / Tablet (T-Mobile)	3000180117608	\$1,195.00	31CNCVP25	\$1,194.00				
	3.1d	2-in-1 Laptop / Tablet (Verizon)	3000180117688	\$1,195.00	31DNCVP25	\$1,194.00				
	3.2a	2-in-1 Laptop / Tablet (No WWAN)(Intel vPro)	3000180118107	\$1,235.00	32ANCVP25	\$1,228.00	21LNS2F900	\$1,300.00		
	3.2a-ALT	ALTERNATE 2-in-1 Laptop / Tablet (No WWAN)(Intel vPro)					21LLS2G300	\$1,430.00		
	3.2b	2-in-1 Laptop / Tablet (AT&T)(Intel vPro)	3000180117754	\$1,250.00	32BNCVP25	\$1,259.00	21LNS2FA00	\$1,400.00		
	3.2b-ALT	ALTERNATE 2-in-1 Laptop / Tablet (AT&T)(Intel vPro)					21LLS2G200	\$1,500.00		
	3.2c	2-in-1 Laptop / Tablet (T-Mobile)(Intel vPro)	3000180117844	\$1,250.00	32CNCVP25	\$1,259.00	21LNS2FA00	\$1,400.00		
	3.2c-ALT	ALTERNATE 2-in-1 Laptop / Tablet (T-Mobile)(Intel vPro)					21LLS2G201	\$1,500.00		

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	3.2d	2-in-1 Laptop / Tablet (Verizon)(Intel vPro)	3000180117960	\$1,250.00	32DNCVP25	\$1259.00	21LNS2FA00	\$1,400.00		
	3.2d-ALT	ALTERNATE 2-in-1 Laptop / Tablet (Verizon)(Intel vPro)					21LLS2G202	\$1,500.00		

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	3.03	Docking Station (USB-C/Thunderbolt Universal dock)	210-BDQH	\$166.00	5TW10AA	\$141.75	40AY0090US	\$176.00	T8I-00001	\$263.99
2-in-1 Laptop / Tablet	3.04	AC Adapter / Power Supply	450-BCXL	\$30.00	1P3K6AA	\$32.55	4X21L54608	\$32.00		
2-in-1 Laptop / Tablet	3.05	Auto Adapter	492-BBUN	\$50.00			40AK0065WW	\$48.00		
2-in-1 Laptop / Tablet	3.06	Stylus	750-ADQK	\$26.00	6SG43AA	\$80.19	4X81H95637	\$56.00		
2-in-1 Laptop / Tablet	3.07	Nylon Carrying Case	460-BDKB	\$20.00	1X644AA	\$26.88	4X40Y95215	\$29.10		
2-in-1 Laptop / Tablet	3.08	Ruggedized Case								
2-in-1 Laptop / Tablet	3.09	Laptop Backpack (nylon,water-resistant)	460-BDSW	\$19.00	1X645AA	\$21.86	4X41C12468	\$33.95		
2-in-1 Laptop / Tablet	3.10	4th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$250.00	U85BYE	\$68.00	5WS0W86726+ 5PS0G79465	\$82.40		
2-in-1 Laptop / Tablet	3.11	5th Year Next Business Day, On-site w/hard drive retention warranty	Call for quote w/device	\$450.00	U85BZE	\$121.00	5WS0W86735+ 5PS0K18198	\$191.20		
2-in-1 Laptop / Tablet	3.12	3 Year Accidental Damage Warranty	Call for quote w/device	\$100.00	U85C0E	\$86.00	5PS0A23193	\$76.00		
2-in-1 Laptop / Tablet	3.13	4 Year Accidental Damage Warranty	Call for quote w/device	\$155.00	U85C1E	\$182.00	5PS0A22966	\$119.20	ZWM-00034 (For Surface Pro 10)	\$333.52
2-in-1 Laptop / Tablet	3.14	5 Year Accidental Damage Warranty	Call for quote w/device	\$225.00	U85C2E	\$320.00	5PS0K18187	\$143.20		
2-in-1 Laptop / Tablet	3.15	3YR. Extended Battery Warranty to match 3YR Device warranty	Call for quote w/device	\$80.00	INCLUDED	\$0.00	5WS0A23013	\$32.00		

**Accessories for all Desktop and Laptop Pricing**

Accessories for All Configurations			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 and Laptop Configurations	5.01	USB Wireless Keyboard & Mouse Combo	580-AJIS	\$28.00	1Y4D0UT	\$22.05	4X31N50708	\$20.00
	5.02	Wireless Keyboard & Mouse Combo with Bluetooth and 128-bit AES encryption	580-AJIX	\$50.00	3Z726AA	\$88.20	4X31K03931	\$97.00
	5.03	Mouse, USB, 2-button, Optical/Scroll	275-BBCB	\$11.00	265A9AA	\$9.45	4Y50R20863	\$13.60
	5.04	Mouse, USB, 2-button, Wireless	570-AALK	\$10.00	8R3U1AA	\$16.80	4X30M56887	\$16.00
	5.05	Mouse, Bluetooth	570-ABGK	\$15.00	1D0K2AA	\$49.56	4Y50X88822	\$24.00
	5.06	Keyboard, USB, Enhanced	580-ADMT	\$12.00	266C9AA	\$10.92	4Y51M03357	\$29.10
	5.07	Keyboard, USB, Wireless	580-AKLJ	\$18.00	805T1AA	\$15.98	4X30H56841	\$31.00
	5.08	Keyboard, Bluetooth	580-AKMM	\$30.00	3Z726AA	\$88.20	4Y41K04031	\$58.20
	5.09	Keyboard, Ergonomic, Wired						
	5.10	Keyboard, Ergonomic, Wireless			7E756AA	\$99.96	4Y41C33748	\$80.00
	5.11	Keyboard, Ergonomic, Bluetooth						



Accessories for All Configurations			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 and Laptop Configurations	5.12	External Speakers	AB117326	\$26.00	772C6AA	\$117.60	4XD1C82055	\$97.00
	5.13	Webcam	319-BBJQ	\$28.00	53X27AA	\$28.56	4XC1B34802	\$29.10
	5.14	USB External DVD +/-RW Drive	429-AAUQ	\$26.00	F2B56AA	\$39.90	888015471	\$48.00
	5.15	USB External Headset for Business	520-BBDS	\$25.00	428K6AA	\$19.90	4XD1C99223	\$126.10
	5.16	Bluetooth Dual-Ear (Stereo) Wireless Headset with Boom Mic - USB-C PC Compatible - Active Noise Canceling - Works with Teams	520-BBFL	\$75.00	77Y89AA	\$156.45	4XD1C99223	\$126.10
	5.17	Ergonomic Wireless Mouse			6H1A5AA	\$79.80		

# 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	4.1a	Flat Panel Monitor, 24-inch (with USB-C Hub)	210-BMKK	\$186.00	6N4D0AA	\$181.28	63D7UAR3US	\$235.00
	4.1b	Flat Panel Monitor, 24-inch (no USB-C Hub) (should be "sister" monitor to 4.1a)	210-BMGH	\$143.00	6N6E9AA	\$149.35	63CFMAR1US	\$140.00
	4.2a	Flat Panel Monitor, 27-inch (with USB-C hub)	210-BDLJ	\$245.00	6N4D3AA	\$238.96	63A1GAR1US	\$324.00
	4.2b	Flat Panel Monitor, 27-inch (no USB-C hub)(should be "sister" monitor to 4.2a)	210-BDKG	\$220.00	9D9S0UT	\$212.00	63A2ZAR1US	\$310.00
	4.3	Flat Panel Monitor, 24-inch (High Resolution)	210-BDKE	\$191.00			63B4GAR6US	\$200.00
	4.3-ALT	ALTERNATE Flat Panel Monitor, 24-inch (High Resolution)			9D9S0UT (HP is offering 27-inch monitor)	\$212.00		
	4.4	Flat Panel Monitor, 27-inch (High Resolution, 4K)	210-BDLK	\$310.00	6N4C4AA	\$313.12	63E4GAR2US	\$720.00
	4.5	Flat Panel Monitor, 32-inch (High Resolution, 4K, with USB-C Hub)	210-BDPH	\$508.00	6N4D6AA	\$386.25	63D1ZAR1US	\$550.00
	4.5-ALT	ALTERNATE Flat Panel Monitor, 32-inch (High Resolution, 4K, with USB-C Hub)	210-BDLQ	\$295.00				
	4.6	Flat Panel Monitor, 24-inch for Video Conferencing	210-BGLQ	\$204.00	40Z32AA	\$239.99	63D8MAR3US	\$180.00
	4.7	Flat Panel Monitor, 27-inch for Video Conferencing	210-BGMF	\$265.00	40Z29AA	\$293.55	63D6UAR3US	\$354.00
	4.8	34-inch Curved Monitor	210-BGZQ	\$362.00	21Y56AA	\$355.35	63D4ZAR1US	\$405.00
	4.9	38-40 inch Curved Monitor	210-BHSM	\$799.00	8K167AA	\$857.99	62C1GAR6US	\$1,044.00

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
	4.10	Portable 14-inch Monitor	210-BHRQ	\$228.00	1B065AA	\$232.78	63AAUAR6US	\$220.00
	4.11	Portable 15-inch Monitor					62CAUAR1US	\$205.00
Monitor Options	4.12	Speaker Bar to work with all monitor configurations	520-AARU (works with all monitors except 38" - Item 4.9 and 14" - Item 4.10)	\$27.00	5UU40AA	\$32.55	4XD1J05151 (works with Item 4.2a)	\$29.10
							4XD1K97400 (works with Item 4.2b)	\$29.10
							4XD1J05151 (works with Item 4.3)	\$29.10

# 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	\$10.00	T6F94AA	\$11.55	0B47070	\$12.00		
All Desktop and Laptop Configurations	6.02	DisplayPort to HDMI Adapter	492-BBXU	\$17.00	2JA63AA	\$26.25	4X90R61023	\$37.60		
All Desktop and Laptop Configurations	6.03	USB Gigabit Ethernet Dongle	443-BBBD	\$20.00	4Z7Z7AA	\$16.80	4X91H17795	\$25.00		
All Desktop and Laptop Configurations	6.04	USB-C to USB-A 3.0 Adapter	470-ABNE	\$8.00	Z6A00AA	\$22.05	4X90Q59481	\$12.00		
All Desktop and Laptop Configurations	6.05	USB-C to Ethernet Adapter	750-BBKR	\$20.00	N2Z63AA	\$17.85	4X90S91831	\$24.00		
All Desktop and Laptop Configurations	6.06	USB-C to HDMI 4.0 Adapter	470-ABMZ	\$20.00	1WC36AA	\$21.00	4X90R61022	\$40.00		
All Desktop and Laptop Configurations	6.07	USB-C to DisplayPort Adapter	470-ACFC	\$23.00	N9K78AA	\$23.10	4X90Q93303	\$36.00		
All Desktop and Laptop Configurations	6.08	HDMI Cable 3ft (M/M)	A8061362	\$8.00	T6F94AA	\$11.55				
All Desktop and Laptop Configurations	6.09	DisplayPort to HDMI (4K) Active Adapter (M/F)	A7719636	\$25.00	F3W43AA	\$15.75	4X90R61023	\$37.60		
All Desktop and Laptop Configurations	6.10	DP to DP cable	A7639742	\$14.00	VN567AA	\$12.60	0A36537	\$15.00		
All Desktop and Laptop Configurations	6.11	DP to HDMI Cable	AA419443	\$25.00	2JA63AA	\$26.25				

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	USB-C to USB-C 100w cable	AC251905	\$18.00	5AR72AA	\$18.90	4X90U90619	\$20.00		
All Desktop and Laptop Configurations	6.13	6-in-1 USB-C Multiport Adapter -	470-AFJI	\$50.00	50H55AA	\$86.10				
All Desktop and Laptop Configurations	6.14	Mini-DisplayPort to DisplayPort Adapter	470-0152	\$12.00	2MY05AA	\$11.55	4X90L13971	\$19.00		
All Desktop and Laptop Configurations	6.15	Mini-DisplayPort to DisplayPort 6FT Cable	AA419441	\$12.00	2MY055A & VN567AA (must order both parts)	\$24.15	0B47091	\$16.00		

## SECTION 3: Model Configurations

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

### Desktop and Workstation Configurations

1.1 Standard Desktop (Intel)	Dell	HP	Lenovo
<b>Description</b>	Est 4 Year Lifecycle, Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc. Dual Digital Monitor Capable		
<b>Vendor Model Number</b>	Optiplex 7020 SFF	Prodesk 400 G9 SFF	ThinkCentre M70s Gen 5
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core i3 processor 14100 (12 MB cache, 4 cores, 8 threads, up to 4.7 GHz Turbo, 60W)	Intel Core i3 processor 14100 (12 MB cache, 4 cores, 8 threads, up to 4.7 GHz Turbo, 60W)	Intel Core i3 processor 14100 (12 MB cache, 4 cores, 8 threads, up to 4.7 GHz Turbo, 60W)
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Memory</b>	16GB (2x8GB) DDR5, expandable to 64GB	16GB (2x8GB) DDR5 4800 UDIMM Memory, (expandable to 64.0 GB but require the removal of current memory and installing 2 x 32GB dimms)	16 GB DDR5-4800MHz (UDIMM) - (2 x 8 GB) expandable to 64GB
<b>Video Card</b>	Intel Integrated Graphics - support for 2 external 4K displays	Integrated: Intel® UHD Graphics	Integrated Graphics with support for up to 2 Digital Monitors @2560x1440
<b>1st Hard Drive</b>	M.2 2230 256GB PCIe NVMe SSD	256GB 2280 PCIe NVMe Value Solid State Drive	256GB M.2 2280 PCIe NVMe TLC SSD
<b>PCIe Slots</b>	2 free slots	Two (2) Free Slots	Two (2) Free Slots
<b>USB Ports</b>	<p>Front Ports: One USB 2.0 (480 Mbps) port; One USB 2.0 (480 Mbps) with PowerShare port; Two USB 2.0 (480 Mbps) with SmartPower On ports;</p> <p>Rear Ports: Three USB 3.2 Gen 1(5 Gbps) ports; Two USB 3.2 Gen 2 (10 Gbps) port; One USB 3.2 Gen 2x2 Type-C (20 Gbps) port</p>	<p>Front Ports One (1) USB-C Port Three (3) USB-A 10 Gbps Ports</p> <p>Rear Ports: Two (2) USB-A 480Mbps, Three (3) USB-A 5Gbps</p>	<p>Front Ports 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)</p> <p>Rear Ports 4x USB-A (Hi-Speed USB / USB 2.0)</p>
<b>Integrated NIC</b>	Integrated RJ45 Ethernet port 10/100/1000 Mbps	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
<b>Keyboard</b>	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
<b>Mouse</b>	Dell MS116 Wired Mouse, Black - USB, 2- button, optical Mouse with scroll	HP Black 125 Wired Mouse	USB Calliope Mouse Black
<b>Audio</b>	Internal High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	High Definition (HD) Audio, Realtek® ALC623-CG codec
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Svc.	3YR KYD

1.1 Standard Desktop (Intel)	Dell	HP	Lenovo
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT Silver	EPEAT Gold	EPEAT™ Gold
<b>Unit dimensions and weight</b>	(W) 3.64 x (D) 11.52, (H) 11.41; Weight 9.43lbs	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
<b>Description</b>	Est 6 year Lifecycle, General to Advanced Word Processing, Large Spreadsheets, Mail Viewing, PDF creation, Presentation Creation, etc. Dual Digital Monitor Capable		
<b>Vendor Model Number</b>	Optiplex 7020 SFF	Prodesk 400 G9 SFF	ThinkCentre M70s Gen 5
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core i5 processor 14500 vPro (24MB cache, 14 cores, 20 threads, up to 5.0 GHz Turbo, 65W)	Intel Core i5 processor 14500 vPro (24MB cache, 14 cores, 20 threads, up to 5.0 GHz Turbo, 65W)	Intel Core i5 processor 14500 vPro (24MB cache, 14 cores, 20 threads, up to 5.0 GHz Turbo, 65W)
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Memory</b>	32GB (2x16GB) DDR5, expandable to 64GB	32GB (2x16GB) DDR5 4800 UDIMM Memory, (expandable to 64.0 GB but require the removal of current memory and installing 2x32GB dimms)	32 GB DDR5-4800MHz (UDIMM) - (2 x 16 GB) expandable to 64GB
<b>Video Card</b>	Intel Integrated Graphics - support for 2 external 4K displays	Integrated: Intel® UHD Graphics	Integrated Graphics with support for up to 2 Digital Monitors @2560x1440
<b>Cables / Connectors</b>	Not included	Not included	Not included
<b>1st Hard Drive</b>	M.2 2230 512GB PCIe NVMe SSD	512GB PCIe-4x4 NVMe TLC Solid State Drive	512GB SSD M.2 2280 PCIe Gen4 TLC Opal
<b>PCIe Slots</b>	2 free slots	Two (2) Free Slots	Two (2) Free Slots
<b>USB Ports</b>	Front: One USB 2.0 (480 Mbps) port; One USB 2.0 (480 Mbps) with PowerShare port; Two USB 2.0 (480 Mbps) with SmartPower On ports;  Rear: Three USB 3.2 Gen 1(5 Gbps) ports; Two USB 3.2 Gen 2 (10 Gbps) port; One USB 3.2 Gen 2x2 Type-C (20 Gbps) port	Front Ports One (1) USB-C Port Three (3) USB-A 10 Gbps Ports  Rear Ports: Two (2) USB-A 480Mbps, Three (3) USB-A 5Gbps	Front: 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 15W charging; 4x USB-A (USB 5Gbps / USB 3.2 Gen 1)  Rear: 4x USB-A (Hi-Speed USB / USB 2.0)
<b>Integrated NIC</b>	Integrated RJ45 Ethernet port 10/100/1000 Mbps	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
<b>Keyboard</b>	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
<b>Mouse</b>	Dell MS116 Wired Mouse, Black - USB, 2- button, optical Mouse with scroll	HP Black 125 Wired Mouse	USB Calliope Mouse Black
<b>Audio</b>	Internal High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	High Definition (HD) Audio, Realtek® ALC623-CG codec
<b>Available Expansion Bays</b>	None	None	None
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT Silver	EPEAT Gold	EPEAT™ Gold
<b>Unit dimensions and weight</b>	(W) 3.64 x (D) 11.52, (H) 11.41; Weight 9.43lbs	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
<b>Description</b>	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		
<b>Vendor Model Number</b>	Precision 3680 Tower	Z2 G9 SFF WS	ThinkStation P3 Tower
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core i7 14th Gen 14700 (33 MB cache, 20 cores, 28 threads, 2.1GHz to 5.4 GHz, 65W)	Intel Core i7 14th Gen 14700 (33 MB cache, 20 cores, 28 threads, 2.1GHz to 5.4 GHz, 65W)	Intel Core i7 14th Gen 14700 (33 MB cache, 20 cores, 28 threads, 2.1GHz to 5.4 GHz, 65W)
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Memory</b>	64GB: 2 x 32 GB, DDR5, 4400 MT/s, expandable to 128GB	64GB (2x32GB) DDR5 4800 UDIMM NECC Memory, expandable to 128.0GB)	64 GB DDR5-4400MHz (UDIMM) (2x32GB) expandable to 128GB
<b>Video Card</b>	NVIDIA T1000 8GB, 8 GB GDDR6; support up to four 4K displays	NVIDIA T1000 8 GB 4mDP Graphics	NVIDIA T1000 (8GB) with 4 mDP ports
<b>Cables / Connectors</b>	4mDP to DP adapters are included	Includes 4 mDP to DP adapters	Mini-DisplayPort to DisplayPort Dongle (4X90L13971 - Order Separately)
<b>1st Hard Drive</b>	1 TB, M.2 2280, Gen 4 PCIe NVMe, SSD	1TB PCIe-4x4 2280 Value M.2 Solid State Drive (Capable of supporting Raid, if RAID requirements are met)	1 TB SSD M.2 2280 PCIe Gen4 Performance TLC Opal with RAID support
<b>PCIe Slots</b>	Three (3) slots - (2) available	Two (2) Free Slots	4 x PCIe Slots. 1 x16 Slot holds the NVIDIA RTX 2000 Ada Graphics. Open slots are: 1 x PCIe 4.0 x16 2 x PCIe 3.0 x1
<b>USB Ports</b>	Front Ports: USB 3.2 Gen 1 (5 Gbps) port; USB 3.2 Gen 1 (5 Gbps) port with PowerShare; USB 3.2 Gen 2 (10 Gbps) Type-C® port; USB 3.2 Gen 2x2 (20 Gbps) Type-C® port with PowerShare ;  Rear Ports: (2) USB 2.0 (480 Mbps) ports with SmartPower; (2) USB 3.2 Gen 2 (10 Gbps) ports; (2) USB 3.2 Gen 2 (10 Gbps) Type-C® ports	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: (1) USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only (2) USB-A (USB 5Gbps / USB 3.2 Gen 1) (2) USB-A (USB 10Gbps / USB 3.2 Gen 2)  Rear Ports: (4) USB-A (USB 5Gbps / USB 3.2 Gen 1), one supports Smart Power On
<b>Integrated NIC</b>	Integrated RJ45 Ethernet port 10/100/1000 Mbps	Integrated Intel® I219-LM GbE	Integrated Ethernet (10/100/100), Wake on LAN
<b>Keyboard</b>	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
<b>Mouse</b>	Dell MS116 Wired Mouse - USB, 2- button, optical Mouse with scroll	HP Wired 320M Mouse	USB Calliope Mouse Black
<b>Audio</b>	Intel HDA (high-definition audio)	Realtek ALC3252	High Definition (HD) Audio, Realtek® ALC897Q-CG codec
<b>Expansion Bays</b>	(3) Internal Bays	One (1) available	(4) Empty 3.5" Bays
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Years	3 Year HP Carepack for Disk Retention Service	3YR KYD

1.3 Workstation 1 (i7 Proc)	Dell	HP	Lenovo
<b>Certification</b>	ISV Certified	ISV Certified	ISV Certified
<b>Energy Consumption</b>	Yes, Energy Star	ENERGY STAR® certified	ENERGY STAR certified
<b>Environmental</b>	EPEAT Gold	EPEAT Gold	EPEAT Gold
<b>Unit dimensions and weight</b>	(H) 14.68 in (W) 6.81 in (D) 16.54 in Weight 16.71lbs	3.95x 15.1x 12.1 in; 11.1lbs	7.09 x 14.57 x 16.34 inches Weight 30.0lbs, maximum configuration

1.4 Workstation 2 (i9 Proc)	Dell	HP	Lenovo
<b>Description</b>	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		
<b>Vendor Model Number</b>	Precision 3680 Tower	Z2 SFF G9	ThinkStation P3 Tower
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel® Core™ i9 14th Gen 14900K (36 MB cache, 24 cores, 32 threads, 3.2 GHz to 6.0 GHz, 125W)	Intel® Core™ i9 14th Gen 14900K (36 MB cache, 24 cores, 32 threads, 3.2 GHz to 6.0 GHz, 125W)	Intel® Core™ i9 14th Gen 14900K (36 MB cache, 24 cores, 32 threads, 3.2 GHz to 6.0 GHz, 125W)
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Memory</b>	64GB: 2 x 32 GB, DDR5, 4400 MT/s, expandable to 128GB	64GB (2x32GB) DDR5 4800 UDIMM NECC Memory, expandable to 128.0GB)	64 GB DDR5-4400MHz (UDIMM) (2x32GB) expandable to 128GB
<b>Video Card</b>	Nvidia RTX 2000 Ada, 16 GB GDDR6; support up to four 4K displays	NVIDIA RTX 2000 ADA 16 GB 4mDP GFX	NVIDIA RTX™ 2000 Ada Generation 16GB GDDR6 with 4 mDP ports
<b>Cables / Connectors</b>	4mDP to DP adapters are included	Includes 4 mDP to DP adapters	Mini-DisplayPort to DisplayPort Dongle (4X90L13971 - Order Separately)
<b>1st Hard Drive</b>	1 TB, M.2 2280, Gen 4 PCIe NVMe, SSD	1TB PCIe-4x4 2280 Value M.2 Solid State Drive (Capable of supporting Raid, if RAID requirements are met)	1TB PCIe-4x4 2280 Value M.2 Solid State Drive
<b>PCIe Slots</b>	Three (3) slots - (2) available	Two (2) Free Slots	4 x PCIe Slots. 1 x16 Slot holds the NVIDIA RTX 2000 Ada Graphics. Open slots are: 1 x PCIe 4.0 x16 2 x PCIe 3.0 x1
<b>USB Ports</b>	Front Ports: Front: USB 3.2 Gen 1 (5 Gbps) port; USB 3.2 Gen 1 (5 Gbps) port with PowerShare; USB 3.2 Gen 2 (10 Gbps) Type-C® port; USB 3.2 Gen 2x2 (20 Gbps) Type-C® port with PowerShare  Rear Ports: (2) USB 2.0 (480 Mbps) ports with SmartPower; (2) USB 3.2 Gen 2 (10 Gbps) ports; (2) USB 3.2 Gen 2 (10 Gbps) Type-C® ports	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: 1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), data transfer only 2x USB-A (USB 5Gbps / USB 3.2 Gen 1) 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)  Rear: 4x USB-A (USB 5Gbps / USB 3.2 Gen 1), one supports Smart Power On
<b>Integrated NIC</b>	Integrated RJ45 Ethernet port 10/100/1000 Mbps	Integrated Intel® I219-LM GbE	Integrated Ethernet (10/100/100), Wake on LAN
<b>Keyboard</b>	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
<b>Mouse</b>	Dell MS116 Wired Mouse - USB, 2- button, optical Mouse with scroll	HP Wired 320M Mouse	USB Calliope Mouse Black
<b>Audio</b>	Intel HDA (high-definition audio)	Realtek ALC3252	High Definition (HD) Audio, Realtek® ALC897Q-CG codec
<b>Expansion Bays</b>	(3) Internal Bays	One (1) available	(4) Empty 3.5" Bays
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Years	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
<b>Certification</b>	ISV Certified	ISV Certified	ISV Certified

1.4 Workstation 2 (i9 Proc)	Dell	HP	Lenovo
<b>Energy Consumption</b>	Yes, Energy Star	ENERGY STAR® certified	ENERGY STAR certified
<b>Environmental</b>	EPEAT Gold	EPEAT Gold	EPEAT Gold
<b>Unit dimensions and weight</b>	(H) 14.68 in (W) 6.81 in (D) 16.54 in Weight 16.71lbs	3.95x 15.1x 12.1 in; 11.1lbs	7.09 x 14.57 x 16.34 inches Weight 30.0lbs, maximum configuration

1.5 Micro/Tiny (Intel i3 Proc, 512GB HD)	Dell	HP	Lenovo
<b>Description</b>	Compact business class PC designed for basic tasks such as Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc.		
<b>Vendor Model Number</b>	OptiPlex 7020 Micro	Prodesk 400 G9 DM	ThinkCentre M70q Gen 5
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core i3 14100T (12 MB cache, 4 cores, 8 threads, up to 4.4 GHz Turbo, 35W)	Intel Core i3 14100T (12 MB cache, 4 cores, 8 threads, up to 4.4 GHz Turbo, 35W)	Intel Core i3 14100T (12 MB cache, 4 cores, 8 threads, up to 4.4 GHz Turbo, 35W)
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Memory</b>	16 GB, 2 x 8 GB, DDR5, expandable to 64GB	16GB (1x16GB) DDR5 4800 SODIMM Memory; (can upgrade to 64GB would require removal of current memory and replace with 2 x32gb modules)	16 GB DDR5-4800MHz (SODIMM) expandable to 64GB
<b>Video Card</b>	Intel Integrated Graphics - support for 2 external 4K displays	Integrated: Intel® UHD Graphics	Integrated Graphics with support for up to 2 Digital Monitors @2560x1440
<b>1st Hard Drive</b>	M.2 2230 512GB PCIe NVMe SSD	512GB PCIe-4x4 NVMe TLC Solid State Drive	M.2 2230 512GB PCIe NVMe Class 35 SSD
<b>PCIe Slots</b>	N/A	N/A	N/A
<b>USB Ports</b>	<p>Front Ports: One USB 3.2 Gen 1 (5 Gbps) port with PowerShare; One USB 3.2 Gen 2 (10 Gbps) Type-C port</p> <p>Rear Ports: One USB 2.0 (480 Mbps) port; One USB 2.0 port (480 Mbps) with Smart Power On; Two USB 3.2 Gen 1 (5 Gbps) ports</p>	<p>Front Ports: One (1) USB-C Port, Two (2) USB-A 10 Gbps</p> <p>Rear Ports: Standard Two (2) USB-A 5Gbps, One (1) USB-A 10bps; Added Two (2) USB-A 480Mbps</p>	<p>Front Ports: 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 5V@0.9A charging 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), with Always On and 5V@2.1A charging 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)</p> <p>Rear Ports: 1x USB-A (Hi-Speed USB / USB 2.0) 1x USB-A (USB 5Gbps / USB 3.2 Gen 1) 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)</p>
<b>Integrated NIC</b>	Integrated RJ45 Ethernet port 10/100/1000 Mbps	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Integrated Ethernet (10/100/100), Wake on LAN
<b>Keyboard</b>	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
<b>Mouse</b>	Dell MS116 Wired Mouse, Black - USB, 2-button, optical Mouse with scroll	HP Black 125Mouse	USB Calliope Mouse Black
<b>Audio</b>	Internal High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	High Definition (HD) Audio, Realtek® ALC233VB codec
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT Registered Silver	EPEAT Gold	EPEAT Gold rating
<b>Unit dimensions and weight</b>	(W) 1.42, (D) 7.01, (H) 7.17, Weight 2.73lbs	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
<b>Description</b>	Compact business class PC designed for basic tasks such as Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc.		
<b>Vendor Model Number</b>	OptiPlex 7020 Micro	Prodesk 400 G9 DM	ThinkCentre M70q Gen 5
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core i5 14500T vPro (24MB cache, 14 cores, 20 threads, up to 4.8 GHz, 35W)	Intel Core i5 14500T vPro (24MB cache, 14 cores, 20 threads, up to 4.8 GHz, 35W)	Intel Core i5 14500T vPro (24MB cache, 14 cores, 20 threads, up to 4.8 GHz, 35W)
<b>Trusted Platform Module</b>	Yes	Yes	Yes
<b>Memory</b>	16 GB, 2 x 8 GB, DDR5, expandable to 64GB	16GB (1x16GB) DDR5 4800 SODIMM Memory; (can upgrade to 64GB would require removal of current memory and replace with 2 x32gb modules)	16 GB DDR5-4800MHz (SODIMM) expandable to 64GB
<b>Video Card</b>	Intel Integrated Graphics - support for 2 external 4K displays	Integrated: Intel® UHD Graphics	Integrated Graphics with support for up to 2 Digital Monitors @2560x1440
<b>1st Hard Drive</b>	M.2 2230 512GB PCIe NVMe SSD	512GB PCIe-4x4 NVMe TLS Solid State Drive	512GB SSD M.2 2280 PCIe Gen4 TLC Opal
<b>PCIe Slots</b>	N/A	N/A	N/A
<b>USB Ports</b>	<p>Front Ports: One USB 3.2 Gen 1 (5 Gbps) port with PowerShare; One USB 3.2 Gen 2 (10 Gbps) Type-C port</p> <p>Rear Ports: One USB 2.0 (480 Mbps) port; One USB 2.0 port (480 Mbps) with Smart Power On; Two USB 3.2 Gen 1 (5 Gbps) ports</p>	<p>Front Ports: One (1) USB-C Port, Two (2) USB-A 10 Gbps</p> <p>Rear Ports: Standard Two (2) USB-A 5Gbps, One (1) USB-A 10bps; Added Two (2) USB-A 480Mbps</p>	<p>Front Ports: 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1), with 5V@0.9A charging 1x USB-A (USB 10Gbps / USB 3.2 Gen 2), with Always On and 5V@2.1A charging 1x USB-A (USB 10Gbps / USB 3.2 Gen 2)</p> <p>Rear Ports: 1x USB-A (Hi-Speed USB / USB 2.0) 1x USB-A (USB 5Gbps / USB 3.2 Gen 1) 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)</p>
<b>Integrated NIC</b>	Integrated RJ45 Ethernet port 10/100/1000 Mbps	Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE	Integrated Ethernet (10/100/100), Wake on LAN
<b>Internal Wireless Card</b>	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
<b>Keyboard</b>	Dell KB216 Wired Multi-Media Keyboard	HP USB 320K Keyboard	USB, Traditional, Black - English (US)
<b>Mouse</b>	Dell MS116 Wired Mouse, Black - USB, 2- button, optical Mouse with scroll	HP Black 125Mouse	USB Calliope Mouse Black
<b>Audio</b>	Internal High Definition Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support	High Definition (HD) Audio, Realtek® ALC233VB codec
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD

1.6 Micro/Tiny (Intel i5 Proc, 512GB HD, Wireless Card)	Dell	HP	Lenovo
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT Registered Silver	EPEAT Gold	EPEAT Gold rating
<b>Unit dimensions and weight</b>	(W) 1.42, (D) 7.01, (H) 7.17, Weight 2.73lbs	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, Non-Touchscreen)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	General Purpose Business Class Laptop, support for up to 3 monitors (including laptop screen)			
<b>Vendor Model Number</b>	Latitude 3450	Probook 440 G11	ThinkPad E14 Gen 6	
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
<b>Processor</b>	Intel® Core™ Ultra 5 125U (12MB cache, 12 cores, 14 threads, up to 4.3 GHz Max Turbo)	Intel® Core™ Ultra 5 125U (12MB cache, 12 cores, 14 threads, up to 4.3 GHz Max Turbo)	Intel® Core™ Ultra 5 125U (12MB cache, 12 cores, 14 threads, up to 4.3 GHz Max Turbo)	
<b>Trusted Platform Module</b>	Yes	Yes	Yes	
<b>Memory</b>	16 GB: 2 x 8 GB, DDR5, 5600 MT/s, expandable to 64GB	16GB (2x8GB) DDR4 3200, expandable to 32.0GB if the current memory is replaced with (2x16GB) models.	16 GB DDR5-5600MHz (SODIMM) - (2 x 8 GB, expandable to 32GB)	
<b>Video</b>	Intel Integrated Graphics; support up to two 4K external displays plus laptop display.	Intel® Arc™ Graphics	Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C®, and Thunderbolt™)	
<b>Video Display</b>	14" FHD (1920 x 1080) AG <b>Non-Touch</b> , 250nits, Camera w/shutter & Microphone, WLAN Capable	14.0 inch AG WUXGA (1920x1200) LED <b>(Non-Touch)</b>	14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, 60Hz <b>(Non-Touch)</b>	
<b>Hard Drive,</b>	<b>AGENCY CAN CHOOSE EITHER:</b> 256GB PCIe NVMe SSD <b>OR</b> 512GB PCIe NVMe Value SSD	<b>AGENCY CAN CHOOSE EITHER:</b> 256GB PCIe NVMe SSD <b>OR</b> 512GB PCIe NVMe Value SSD	<b>AGENCY CAN CHOOSE EITHER:</b> 256GB PCIe NVMe SSD <b>OR</b> 512GB PCIe NVMe Value SSD	
<b>USB Ports</b>	(1) USB4 (20 Gbps) with Power Delivery and DisplayPort; (1) USB 3.2 Gen 1 port with PowerShare; (2) USB 3.2 Gen 1 port	2 USB Type-A 2 USB Type-C	(1) USB-A (USB 5Gbps / USB 3.2 Gen 1) (1) USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On (1) USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4 (1) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	



2.1a-b Standard Laptop (Intel, Non-Touchscreen)	Dell	HP	Lenovo	Microsoft
<b>HDMI or DisplayPort or USB-C</b>	(1) HDMI 2.0 port (1) USB 4 Type-C port	(1) HDMI, (2) USB Type-C®	(1) USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4 (1) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1 (1) HDMI® 2.1, up to 4K/60Hz	
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	Integrated Ethernet Port	Integrated ethernet port (RJ-45)	
<b>Bluetooth</b>	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.2	
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel AX211 W-Fi 6E + BT	Intel® Wi-Fi 6 AX201 2x2 AX& Bluetooth® 5.1 or above	
<b>Webcam</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	FHD Camera	FHD 1080p, with privacy shutter, fixed focus	
<b>Power</b>	65W AC adapter, USB Type-C, 3' power cord	65W USB-C w/ 1.0m cable	65W USB-C® (2-pin) AC adapter	
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones	Stereo speakers, 2W x2, Dolby Atmos®, audio by HARMAN	
<b>Battery</b>	3 Cell, 42 Whr, ExpressCharge™ Capable, up to 9 hours 37 minutes	Up to 13hrs	Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) MobileMark® 25: up to 11.8 hr with 793 performance score @250nits; supports	
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD	
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
<b>Environmental</b>	EPEAT® Gold	EPEAT GOLD	EPEAT Gold	
<b>Unit dimensions and weight</b>	Height: 0.76 in, Width: 12.68 in, Depth: 8.63 in., 3.30lbs.	12.54 x 8.83 x 0.43 in; 3.08lbs	12.32 x 8.63 x 0.73 inches; 3.14lbs	

2.2a-b Standard Laptop (Intel, Touchscreen)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	General Purpose Business Class Laptop, support for up to 3 monitors (including laptop screen)			
<b>Vendor Model Number</b>	Latitude 3450	Probook 440 G11	ThinkPad E14 Gen 6	Surface Laptop 6 15"
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel® Core™ Ultra 5 125U (12MB cache, 12 cores, 14 threads, up to 4.3 GHz Max Turbo)	Intel® Core™ Ultra 5 125U (12MB cache, 12 cores, 14 threads, up to 4.3 GHz Max Turbo)	Intel® Core™ Ultra 5 125U (12MB cache, 12 cores, 14 threads, up to 4.3 GHz Max Turbo)	Intel® Core™ Ultra 7 processor 165H
<b>Trusted Platform Module</b>	Yes	Yes	Yes	Yes
<b>Memory</b>	16 GB: 2 x 8 GB, DDR5, 5600 MT/s, expandable to 64GB	16GB (2x8GB) DDR4 3200, expandable to 32.0GB if the current memory is replaced with (2x16GB) models.	16 GB DDR5-5600MHz (SODIMM) - (2 x 8 GB, expandable to 32GB)	16.0GB (not expandable)
<b>Video</b>	Intel Integrated Graphics; support up to two 4K external displays plus laptop display.	Intel® Arc™ Graphics	Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C®, and Thunderbolt™)	Intel® Arc™ Graphics
<b>Video Display</b>	14" FHD (1920 x 1080) AG <b>Touch</b> , 250nits, Camera w/shutter & Microphone, WLAN Capable	14.0 inch AG WUXGA (1920x1200) LED UWVA 300 f5MP IR <b>Touchscreen</b> bnt LCD Panel	14" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Touch</b> , 45%NTSC, 300 nits	<b>Touchscreen:</b> 15-inch PixelSense™ display Resolution: 2496 x 1664 (201 PPI) Aspect ratio: 3:2 Contrast ratio 1300:1 Color profile: sRGB and Enhanced Individually color-calibrated display Adaptive color Touch: 10-point multi-touch Dolby Vision IQ™ support13 Corning® Gorilla® Glass 5 Anti-reflective Brightness: SDR 400 nits maximum (typical)
<b>Hard Drive</b>	<b>AGENCY CAN CHOOSE EITHER:</b> 256GB PCIe NVMe SSD <b>OR</b> 512GB PCIe NVMe Value SSD	<b>AGENCY CAN CHOOSE EITHER:</b> 256GB PCIe NVMe SSD <b>OR</b> 512GB PCIe NVMe Value SSD	<b>AGENCY CAN CHOOSE EITHER:</b> 256GB PCIe NVMe SSD <b>OR</b> 512GB PCIe NVMe Value SSD	512GB SSD
<b>USB Ports</b>	(1) USB4 (20 Gbps) with Power Delivery and DisplayPort;	2 USB Type-A 2 USB Type-C	(1) USB-A (USB 5Gbps / USB 3.2 Gen 1)	(2) USB-C® with USB 4.0/Thunderbolt™ 4 (1) USB-A 3.1

2.2a-b Standard Laptop (Intel, Touchscreen)	Dell	HP	Lenovo	Microsoft
	(1) USB 3.2 Gen 1 port with PowerShare; (2) USB 3.2 Gen 1 port		(1) USB-A (USB 10Gbps / USB 3.2 Gen 2), Always On (1) USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4 (1) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), w/USB PD 3.0 & DisplayPort™ 2.1	
<b>HDMI or DisplayPort or USB-C</b>	(1) HDMI 2.0 port (1) USB 4 Type-C port	(1) HDMI, (2) USB Type-C®	(1) USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4 (1) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), w/USB PD 3.0 & DisplayPort™ 2.1 (1) HDMI® 2.1, up to 4K/60Hz	(2) USB-C® with USB 4.0/Thunderbolt™ 4
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	Integrated Ethernet Port	Integrated ethernet port (RJ-45)	USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.31)
<b>Bluetooth</b>	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.2	Bluetooth 5.3
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel AX211 W-Fi 6E + BT	Intel® Wi-Fi 6 AX201 2x2 AX& Bluetooth® 5.1 or above	Wi-Fi 6E: 802.11ax compatible
<b>Webcam</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	FHD Camera	FHD 1080p, with privacy shutter, fixed focus	1080p Full HD front-facing Surface Studio camera (no privacy shutter)
<b>Power</b>	65W AC adapter, USB Type-C, 3' power cord	65W USB-C w/ 1.0m cable	65W USB-C® (2-pin) AC adapter	Power Supply: 65W
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones	Stereo speakers, 2W x2, Dolby Atmos®, audio by HARMAN	Omnisonic® Speakers with Dolby® Atmos®
<b>Battery</b>	3 Cell, 42 Whr, ExpressCharge™ Capable, up to 9 hours 37 minutes	Up to 13hrs	Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) MobileMark® 25: up to 11.8 hr with 793 performance score @250nits; supports	Up to 19 hours of typical device usage
<b>Hardware Warranty</b>	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 Accidental Damage coverage (must be added to order – part# ZWL-00042) Microsoft does not offer onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD	Included with 3 Year warranty part above
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT® Gold	EPEAT GOLD	EPEAT Gold	EPEAT Gold
<b>Unit dimensions and weight</b>	Height: 0.76 in, Width: 12.68 in, Depth: 8.63 in., 3.30lbs.	12.54 x 8.83 x 0.43 in; 3.08lbs	12.32 x 8.63 x 0.73 inches; 3.14lbs	13.4 x 9.6 x 0.67 inches, 3.70 lb.

2.2a-b Standard Laptop (Intel, Touchscreen) (Alternate Model)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	General Purpose Business Class Laptop, support for up to 3 monitors (including laptop screen)			
<b>Vendor Model Number</b>				Surface Laptop 7th Edition 13"
<b>Operating System</b>				Windows 11 Pro 64 bit
<b>Processor</b>				Qualcomm® Snapdragon® X Plus
<b>Trusted Platform Module</b>				Yes
<b>Memory</b>				16.0GB (not expandable)
<b>Video</b>				Qualcomm® Adreno™ GPU
<b>Video Display</b>				<b>Touchscreen:</b> 13.8-inch PixelSense Flow™ Display Resolution: 2304 x 1536 (201 PPI) Aspect ratio: 3:2
<b>Hard Drive</b>				<b>AGENCY CAN CHOOSE EITHER:</b> 256GB SSD <b>OR</b> 512GB SSD
<b>USB Ports</b>				(2) USB-C® / USB4® ports with support for: Charging, Data transfer, DisplayPort 1.4a, Surface Thunderbolt™ 4 Dock and other accessories Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®8 USB-A 3.1 3.5 mm headphone jack Surface Connect port
<b>HDMI or DisplayPort or USB-C</b>				(2) USB-C® with USB 4.0/Thunderbolt™ 4
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>				USB-C Travel Hub <b>(must be purchased separately – part# 1E4-00001, Item 2.31)</b>
<b>Bluetooth</b>				Bluetooth 5.4
<b>Internal Wireless Adapter</b>				Wi-Fi 7 /802.11a/b/g/n/ac/ax/be, Bluetooth 5.4

2.2a-b Standard Laptop (Intel, Touchscreen) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Webcam				Full HD front-facing Surface Studio Camera 1080p Full HD camera (no privacy shutter) Windows Studio Effects with automatic framing, Portrait Blur, Creative filters (illustrated, animated, watercolor), Eye Contact, and Portrait Light Windows Hello face authentication camera
Power				Power Supply: 65W
Audio				Dual Studio Mics with Voice Focus6 Omnisonic® Speakers with Dolby® Atmos®18 Support for Bluetooth® LE Audio
Battery				Up to 22 hours of local video playback16 Up to 15 hours of active web usage17
Hardware Warranty				3YR NBD Accidental Damage coverage (must be added to order – part# ZWL-00042) Microsoft does not offer onsite
Keep Hard Drive				Included with 3 Year warranty part above
Energy Consumption				ENERGY STAR® certified
Environmental				EPEAT Gold
Unit dimensions and weight				12.96 x 9.41 x 0.72 inches, 3.67lbs.

2.3a-b High End Laptop (Intel Processor, non-vPro)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	Business Class Laptop designed for increased performance and productivity			
<b>Vendor Model Number</b>	Latitude 3550	Elitebook 660 G11	ThinkPad L16 Gen 1	Surface Laptop 6 15"
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core Ultra 7 155U (12MB cache, 12 cores, 14 threads, up to 4.80 GHz)	Intel Core Ultra 7 155U (12MB cache, 12 cores, 14 threads, up to 4.80 GHz)	Intel Core Ultra 7 155U (12MB cache, 12 cores, 14 threads, up to 4.80 GHz)	Intel® Core™ Ultra 7 processor 165H
<b>Trusted Platform Module</b>	Yes	Yes	Yes	Yes
<b>Memory</b>	32 GB: 2 x 16 GB, DDR5, 5600 MT/s, expandable to 64GB	2GB (2x16GB) DDR5 5600 SODIMM Memory (expandable to 64GB with replacement of current memory by 2 x 32GB dimms)	32 GB DDR5-5600MHz (SODIMM) - (2 x 16 GB) expandable to 64GB	32.0GB LPDDR5x RAM (not expandable)
<b>Video</b>	Intel Integrated Graphics; support up to two 4K external displays plus laptop display.	Intel® Arc™ Graphics;	Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C®, and Thunderbolt™)	Intel® Arc™ Graphics
<b>Video Display</b>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>15.6" FHD (1920 x 1080) Anti-Glare <b>Non-Touch</b>, 250nits, Camera w/shutter &amp; Microphone, WLAN Capable</p> <p><b>OR</b></p> <p>15.6" FHD (1920 x 1080) Anti-Glare Embedded <b>Touch</b>, 250 nits, FHD+IR Camera w/shutter &amp; Microphone, WLAN</p>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16.0-inch AG WUXGA (1920x1200) LED UWVA 300 fFHD 60Hz bnt LCD Panel <b>(Non-Touch)</b></p> <p><b>OR</b></p> <p>16.0-inch AG WUXGA(1920x1200) LED UWVA 300 f5mp IR <b>Touchscreen</b> bnt LCD Panel</p>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Non-Touch</b>, 45%NTSC, 300 nits, 60Hz</p> <p><b>OR</b></p> <p>16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Touch</b>, 45%NTSC, 300 nits, 60Hz</p>	<p><b>Touchscreen:</b> 15-inch PixelSense™ display Resolution: 2496 x 1664 (201 PPI) Aspect ratio: 3:2 Contrast ratio 1300:1 Color profile: sRGB and Enhanced Individually color-calibrated display Adaptive color Touch: 10-point multi-touch Dolby Vision IQ™ support13 Corning® Gorilla® Glass 5 Anti-reflective Brightness: SDR 400 nits maximum (typical)</p>
<b>Hard Drive</b>	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe TLC SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	1TB SSD
<b>USB Ports</b>	(1) USB4 (20 Gbps) with Power Delivery and DisplayPort; (1) USB 3.2 Gen 1 port with PowerShare; (2) USB 3.2 Gen 1 port	(2) USB-A	1x USB-A (Hi-Speed USB /USB 2.0) 2x USB-A (USB 5Gbps /USB 3.2 Gen 1), one Always On 1x USB-C® (USB 20Gbps /USB 3.2 Gen 2x2), w/USB PD 3.0 and DisplayPort™ 1.4 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), w/USB PD 3.0 and DisplayPort™ 2.1	2 x USB-C® with USB 4.0/Thunderbolt™ 4 1 x USB-A 3.1

2.3a-b High End Laptop (Intel Processor, non-vPro)	Dell	HP	Lenovo	Microsoft
<b>HDMI or DisplayPort OR One (1) USB-C Port</b>	(1) HDMI 2.0 port (1) USB 4 Type-C port	(1) HDMI (2) Thunderbolt 4 with USB-C	1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), w/USB PD 3.0 and DisplayPort™ 1.4 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1 1x HDMI® 2.1, up to 4K/60Hz	2 x USB-C® with USB 4.0/Thunderbolt™ 4
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	Integrated Ethernet Port	Integrated ethernet port (RJ-45)	USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.31)
<b>Bluetooth</b>	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.3
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel AX 211 Wi-Fi 6E + BT	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.3	Wi-Fi 6E: 802.11ax compatible
<b>Webcam</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	FHD Camera, includes shutter	HD 720p, with privacy shutter, fixed focus	1080p Full HD front-facing Surface Studio camera (no privacy shutter)
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones	Stereo speakers, 2W x2, Dolby® Audio™	Power Supply: 65W
<b>Power</b>	65W AC adapter, USB Type-C, 3' power cord	65 65W USB-C w/ 1.0m cable	65W USB-C® (2-pin) AC adapter	Omnisonic® Speakers with Dolby® Atmos®
<b>Battery</b>	3 Cell, 42 Whr, ExpressCharge™ Capable, up to 8 hours 38 minutes	UP to 13hrs 52 min	Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter  MobileMark® 25: up to 13.68 hr with 722 performance score @250nits	Up to 19 hours of typical device usage
<b>Hardware Warranty</b>	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 Accidental Damage coverage (must be added to order – part# ZWL-00042) Microsoft does not offer onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	Included with 3 Year warranty part above
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT® Gold	EPEAT GOLD	EPEAT Gold	EPEAT Gold
<b>Unit dimensions and weight</b>	Height 0.71, Width 14.13, Depth 9.43 weight 3.99lbs	14.14 x 9.88 x 0.42 in; 3.85lbs	14.06 x 9.98 x 0.82 inches; 3.90lbs.	13.4 x 9.6 x 0.67 inches, 3.70 lb.

2.3b High End Laptop (Intel Processor, non-vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	Business Class Laptop designed for increased performance and productivity			
<b>Vendor Model Number</b>				Surface Laptop 7th Edition 15"
<b>Operating System</b>				Windows 11 Pro 64 bit
<b>Processor</b>				Qualcomm® Snapdragon® X Elite
<b>Trusted Platform Module</b>				Yes
<b>Memory</b>				32.0GB <b>(not expandable)</b>
<b>Video</b>				Qualcomm® Adreno™ GPU
<b>Video Display</b>				Touchscreen: 15-inch PixelSense Flow™ Display Resolution: 2496 x 1664 (201 PPI) Aspect ratio: 3:2
<b>Hard Drive</b>				1TB SSD
<b>USB Ports</b>				2 X USB-C®/ USB4® ports with support for: Charging, Data transfer, DisplayPort 1.4a, Thunderbolt™ 4 Dock and other accessories Supports fast charging with minimum 65W power supply via Surface Connect or USB-C®8 USB-A 3.1 MicroSDXC card reader 3.5 mm headphone jack Surface Connect port
<b>HDMI or DisplayPort OR One (1) USB-C Port</b>				2 X USB-C®/ USB4® ports with support for: Charging, Data transfer, DisplayPort 1.4a, Thunderbolt™ 4 Dock and other accessories
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>				USB-C Travel Hub <b>(must be purchased separately – part# 1E4-00001, Item 2.31)</b>
<b>Bluetooth</b>				Bluetooth 5.4
<b>Internal Wireless Adapter</b>				Wi-Fi 7 /802.11a/b/g/n/ac/ax/be, Bluetooth 5.4
<b>Webcam</b>				Full HD front-facing Surface Studio Camera 1080p Full HD camera Windows Studio Effects with automatic framing, Portrait Blur, Creative filters (illustrated, animated, watercolor), Eye Contact, and Portrait Light Windows Hello face authentication camera
<b>Audio</b>				Dual Studio Mics with Voice Focus6 Omnisonic® Speakers with Dolby® Atmos®18 Support for Bluetooth® LE Audio



2.3b High End Laptop (Intel Processor, non-vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Power				Power Supply: 65W
Battery				Up to 22 hours of local video playback <sup>16</sup> Up to 15 hours of active web usage <sup>17</sup>
Hardware Warranty				3YR NBD Accidental Damage coverage (must be added to order – part# ZWL-00042) Microsoft does not offer onsite
Keep Hard Drive				Included with 3 Year warranty part above
Energy Consumption				ENERGY STAR® certified
Environmental				EPEAT Gold
Unit dimensions and weight				12.96" x 9.41" x 0.72"; 3.67lbs

2.4a-b High End Laptop 2 (Intel Processor, vPro)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	Business Class Laptop designed for increased performance and productivity			
<b>Vendor Model Number</b>	Latitude 5550	Elitebook 660 G11	ThinkPad L15 Gen 4	
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
<b>Processor</b>	Intel Core Ultra 7 165H vPro (24 MB cache, 16 cores, 22 threads, up to 5.0 GHz) ( <b>vPro Enterprise</b> )	Intel Core Ultra 7 165H vPro (24 MB cache, 16 cores, 22 threads, up to 5.0 GHz) ( <b>vPro Enterprise</b> )	Intel® Core™ Ultra 7 155H Processor (E-cores up to 3.80 GHz P-cores up to 4.80 GHz) ( <b>vPro Essentials</b> )	
<b>Trusted Platform Module</b>	Yes	Yes	Yes	
<b>Memory</b>	32 GB: 2 x 16 GB, DDR5, 5600 MT/s, expandable to 64GB	32GB (2x16GB) DDR5 5600 SODIMM Memory (expandable to 64.0GB if the current memory is replaced with (2x32GB Memory modules)	32 GB DDR5-5600MHz (SODIMM) - (2 x 16 GB) expandable to 64GB	
<b>Video</b>	Intel Integrated Graphics; support up to two 4K external displays plus laptop display.	Intel® Arc™ Graphics;	Supports up to 4 independent displays (native display and 3 external monitors via HDMI®, USB-C®, and Thunderbolt™)	
<b>Video Display</b>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>15.6" FHD (1920x1080) Anti-Glare, Non-Touch, 250 nits, HD Camera, WLAN</p> <p><b>OR</b></p> <p>15.6" FHD (1920x1080) Anti-Glare, Touch, 250 nits, FHD IR Camera, WWAN</p>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16.0-inch AG WUXGA (1920x1200) LED UWVA 300 fFHD 60Hz bnt LCD Panel (<b>Non-Touch</b>)</p> <p><b>OR</b></p> <p>16.0-inch AG WUXGA(1920x1200) LED UWVA 300 f5mp IR <b>Touchscreen</b> bnt LCD Panel</p>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Non-Touch</b>, 45%NTSC, 300 nits, 60Hz</p> <p><b>OR</b></p> <p>16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Touch</b>, 45%NTSC, 300 nits, 60Hz</p>	
<b>Hard Drive</b>	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe TLC SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	
<b>USB Ports</b>	(1) USB 3.2 Gen1 (1) USB 3.2 Gen1 with PowerShare	(2) USB Type-A	<p>1x USB-A (Hi-Speed USB / USB 2.0)</p> <p>2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On</p> <p>1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4</p> <p>1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1</p>	

2.4a-b High End Laptop 2 (Intel Processor, vPro)	Dell	HP	Lenovo	Microsoft
<b>HDMI or DisplayPort or USB-C Port</b>	HDMI 2.1	(1) HDMI (2) Thunderbolt 4 with USB-C	1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4  1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1  1x HDMI® 2.1, up to 4K/60Hz	
<b>Thunderbolt Port</b>	Two (2) Thunderbolt 4.0 ports	(2) Thunderbolt™ 4 with USB Type-C ports.	1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	Integrated Ethernet Port	Integrated ethernet port (RJ-45)	
<b>Bluetooth</b>	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.3	
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel AX 211Wi-Fi 6E + BT	Intel® Wi-Fi 7 BE200 2x2 BE vPro® & Bluetooth® 5.3	
<b>Webcam</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	FHD Camera, includes shutter	HD 720p, with privacy shutter, fixed focus	
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones	Stereo speakers, 2W x2, Dolby® Audio™	
<b>Power</b>	65W AC adapter, USB Type-C, 3' power cord	65W USB-C w/ 1.0m cable	65W USB-C® (2-pin) AC adapter	
<b>Battery</b>	3 Cell, 54 Whr, ExpressCharge™ Capable, up to 7 hours and 51 minutes	Up to 13hrs 52 min	Integrated Li-Polymer 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter  MobileMark® 25: up to 13.68 hr with 722 performance score @250nits	
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
<b>Environmental</b>	EPEAT® GOLD	EPEAT GOLD	EPEAT Gold	
<b>Unit dimensions and weight</b>	14.09" x 0.82" x 9.19", 3.58lbs	14.14 x 9.88 x 0.42 in; 3.85lbs	14.06 x 9.98 x 0.82 inches; 3.90lbs	

2.5a-b Elite Laptop 1 (Intel i7, 4GB Video, 32GB Memory)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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)			
<b>Vendor Model Number</b>	Mobile Precision 3590	ZBook Power 16 G11	ThinkPad P16s Gen 3	
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 English	
<b>Processor</b>	Intel Core Ultra 7 155H <b>vPro Essentials</b> (24 MB cache, 16 cores, 22 threads, up to 4.8 GHz, 28W)	Intel® Core™ Ultra 7 165H (Up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads), supports Intel® <b>vPro® Enterprise</b> Technology	Intel Core Ultra 7 155H <b>vPro Essentials</b> (24 MB cache, 16 cores, 22 threads, up to 4.8 GHz, 28W)	
<b>Trusted Platform Module</b>	Yes	Yes	Yes	
<b>Memory</b>	32 GB: 2 x 16 GB, DDR5, 5600 MT/s, expandable to 64GB	32GB (2x16GB) DDR5 5600 SODIMM Memory	32 GB DDR5-5600MHz (SODIMM) - (2 x 16 GB)	
<b>Video</b>	NVIDIA RTX 500 Ada 4GB GDDR6; supports two 4K external displays plus laptop display.	NVIDIA RTX™ 500 Ada Generation Laptop GPU 4GB GDDR6	NVIDIA RTX™ 500 Ada Generation Laptop GPU 4GB GDDR6	
<b>Video Display</b>	<b>AGENCY CAN CHOOSE EITHER:</b> 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, <b>non-touch</b> , RGB HDR Camera and Mic with WLAN <b>OR</b> 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, <b>touch</b> , IR FHD EMZA Camera and Mic with WLAN	<b>AGENCY CAN CHOOSE EITHER:</b> 16.0 inch AG WUXGA (1920x1200) LED UWVA 300 f5MP bnt LCD Panel ( <b>non-touch</b> ) <b>OR</b> 16.0 inch AG WUXGA (1920x1200) LED UWVA 300 f5MP IR <b>Touchscreen</b> bnt LCD Panel	<b>AGENCY CAN CHOOSE EITHER:</b> 16" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits ( <b>Non-Touch</b> ) <b>OR</b> 16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Touch</b> , 45%NTSC, 300 nits	
<b>Hard Drive</b>	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	
<b>USB Ports</b>	(1) USB 3.2 Gen 1 port (1) USB 3.2 Gen 1 port with PowerShare	(3) USB Type-A 5Gbps	1x USB-A (USB 5Gbps / USB 3.2 Gen 1) 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On	
<b>HDMI or DisplayPort</b>	1 HDMI 2.1 port	(1) HDMI	1x HDMI 2.1, up to 4K/60Hz	
<b>Thunderbolt Port</b>	Two (2) Thunderbolt 4.0 ports	(2) Thunderbolt 4 with USB-C Type Power	2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	<b>AGENCY CAN CHOOSE EITHER MOBILE ETHERNET ADAPTER:</b> 4Z7Z7AA: USB-A to RJ45 (Item 6.03) <b>OR</b> N2Z63AA: USB-C to RJ45 (Item 6.05)	Integrated ethernet port (RJ-45)	

2.5a-b Elite Laptop 1 (Intel i7, 4GB Video, 32GB Memory)	Dell	HP	Lenovo	Microsoft
<b>Bluetooth</b>	Bluetooth 5.2	Bluetooth 5.3	Bluetooth 5.3	
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel Wi-Fi 6E AX211 (2x2)	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.3	
<b>Webcam</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	5MP Camera, includes shutter	5.0MP with privacy shutter, fixed focus	
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones	Stereo speakers, 2W x2, Dolby® Audio™	
<b>Power</b>	100W AC adapter, USB Type-C, 3' power cord	100W USB-C Power Cord with 1.0m cable	135W USB-C Slim 90% PCC 3pin AC Adapter - US	
<b>Battery</b>	3 Cell, 54Whr battery up to 9 hours. Express charge capable.	Up to 9hours and 15minutes	Integrated Li-Polymer 75Wh battery, supports Rapid Charge (charge up to 80% in 1hr) (Perb BAFO, Lenovo P16s Gen 3 Intel with the 75Wh battery has a MobileMark 25 of 14.5 hours)	
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
<b>Environmental</b>	EPEAT® GOLD	EPEAT GOLD	EPEAT GOLD	
<b>Unit dimensions and weight</b>	(H) .82 in front; (W) 14.09 in;(D) 9.19 in; Weight 3.58lbs	14.12 x 9.89 x 0.76 in; 3.96lbs	14.24 x 9.79 x 0.83 inches; 4.01lbs	

2.6 a-b Elite Laptop 2 (Intel vPro, 8GB Video, 32GB Memory)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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)			
<b>Vendor Model Number</b>	Mobile Precision 3591	ZBook Power 16 G11	ThinkPad P1 Gen 7 (Non-Touchscreen Model) ThinkPad P16v Gen 1 (Touchscreen Model)	
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Microsoft Windows 11 Pro 64 bit	
<b>Processor</b>	Intel Core Ultra 9 185H vPro Enterprise (24 MB cache, 16 cores, 22 threads, up to 5.1 GHz, 45W)	Intel Core Ultra 9 185H vPro Enterprise (24 MB cache, 16 cores, 22 threads, up to 5.1 GHz, 45W)	Intel Core Ultra 9 185H vPro Enterprise (24 MB cache, 16 cores, 22 threads, up to 5.1 GHz, 45W)	
<b>Trusted Platform Module</b>	Yes	Yes	Yes	
<b>Memory</b>	32 GB: 2 x 16 GB, DDR5, 5600 MT/s, expandable to 64GB	32GB (2x16GB) DDR5 5600 SODIMM Memory- expandable to 64GB by replacing with 2 x 32GB	32GB LPDDR5x-7500 CAMM2, expandable to 64GB	
<b>Video</b>	NVIDIA RTX 2000 Ada Generation, 8 GB GDDR6; support up to four 4K external displays plus laptop display.	NVIDIA RTX 2000 Ada Generation, 8 GB GDDR6	NVIDIA RTX™ 2000 Ada Generation Laptop GPU 8GB GDDR6 (ThinkPad P1 Gen 7)  NVIDIA RTX™ 3000 Ada Generation Laptop GPU 8GB GDDR6 (ThinkPad P16v Gen 1)	
<b>Video Display</b>	<b>AGENCY CAN CHOOSE EITHER:</b> 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, <b>non-touch</b> , RGB HD Camera and Mic with WLAN  <b>OR</b> 15.6" FHD 1920 x 1080, 60 Hz, 250 nit, <b>touch</b> , IR FHD EMZA Camera and Mic with WLAN	<b>AGENCY CAN CHOOSE EITHER:</b> 16.0 inch AG WUXGA (1920x1200) LED UWVA 300 fFHD 60Hz bnt LCD Panel ( <b>non-touch</b> )  <b>OR</b> 16.0 inch AG WUXGA (1920x1200) LED UWVA 300 fFHD <b>Touchscreen</b> bnt LCD Panel	<b>AGENCY CAN CHOOSE EITHER:</b> 16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Non-Touch</b> , 100% sRGB, 400 nits, 60Hz, Low Blue Light (ThinkPad P1 Gen 7)  <b>OR</b> 16" WUXGA (1920 x 1200), IPS, Anti-Glare, <b>Touch</b> , 45% NTSC, 300 nits, 60Hz (ThinkPad P16v Gen 1)	
<b>Hard Drive</b>	1 TB, M.2 2230, PCIe NVMe, SSD	1TB PCIe-4x4 2280 NVMe TLC SSD	1TB M.2 PCIe NVMe SSD with one open M.2 slot	
<b>USB Ports</b>	(1) USB 3.2 Gen 1 port (1) USB 3.2 Gen 1 port with PowerShare	(2) USB-A	1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On	
<b>HDMI or DisplayPort</b>	(1) HDMI 2.1 port	(1) HDMI Port	1x HDMI 2.1, up to 8K/60Hz	

2.6 a-b Elite Laptop 2 (Intel vPro, 8GB Video, 32GB Memory)	Dell	HP	Lenovo	Microsoft
<b>Thunderbolt Port</b>	(2) Thunderbolt™ 4.0 ports	(2) Thunderbolt 4 with USB-C Charging	(2) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 (135W input) and DisplayPort™ 2.1	
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	Integrated Ethernet Port	Included Mobile Ethernet Adapter - Lenovo® USB-C® to Ethernet Adapter (2.5Gbps) <b>(ThinkPad P1 Gen 7)</b>  (1) Ethernet (RJ-45) <b>(ThinkPad P16v Gen 1)</b>	
<b>Bluetooth</b>	Bluetooth 5.2	Bluetooth 5.3	Bluetooth 5.4 <b>(ThinkPad P1 Gen 7)</b>  Bluetooth 5.3 <b>(ThinkPad P16v Gen 1)</b>	
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel AX211 Wi-Fi 6E vPro 160 MHz +Bluetooth 5.3 WW WLAN	Intel® Wi-Fi® 7 BE200, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4 <b>(ThinkPad P1 Gen 7)</b>  Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3 <b>(ThinkPad P16v Gen 1)</b>	
<b>Webcam</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	FHD Camera, includes shutter	5MP FHD IR Camera with privacy shutter	
<b>Webcam</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones	Stereo speakers, 2W x2, Dolby Atmos® <b>(ThinkPad P1 Gen 7)</b> Stereo speakers, 2W x2, Dolby® Audio™ Premium <b>(ThinkPad P16v Gen 1)</b>	
<b>Power</b>	130W Type C Power Adapter, 3' power cord	150W AC Adapter	170W Slim 30% PCC 3pin AC Adapter - US	
<b>Battery</b>	4 Cell, 64Whr battery up to 12 hours. Express charge capable.	Up to 9hrs and 15Min	90Wh battery - Supports Rapid Charge, Supports up to 9 hrs benchmark	
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
<b>Environmental</b>	EPEAT® GOLD	EPEAT GOLD	EPEAT GOLD	
<b>Unit dimensions and weight</b>	(H) .89 in front; (W) 14.09 in;(D) 9.19 in; Weight 3.96lbs	14.15 x 9.88 x 0.9 in; 4.68lbs	13.95 x 9.49 x 0.67 inches; 4.03lbs <b>(ThinkPad P1 Gen 7)</b>  14.37 x 10.31 x 0.97 inches; 4.85lbs <b>(ThinkPad P16v Gen 1)</b>	

2.7a-b Elite Laptop 3 (Intel vPro, 12GB Video, 64GB Memory)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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)			
<b>Vendor Model Number</b>	Mobile Precision 7680	Zbook Fury 16 G11	ThinkPad P16 Gen 2	
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
<b>Processor</b>	Intel Core i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, <b>vPro Enterprise</b> )	Intel Core i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, <b>vPro Enterprise</b> )	Intel Core i9-13950HX (36MB Cache, 32 Threads, 24 Cores (8P+16E) up to 5.5GHz, 55w, <b>vPro Enterprise</b> )	
<b>Trusted Platform Module</b>	Yes	Yes	Yes	
<b>Memory</b>	64GB, 2x32GB 5200MT/s SODIMM	64GB (2x32GB) DDR5 5600 SODIMM Memory	2 x 32GB = 64GB DDR5-5600 Non-ECC	
<b>Video</b>	NVIDIA RTX 3500 Ada 12GB GDDR6; support up to four 4K external displays plus laptop display.	NVIDIA RTX 3500 Ada (12GB)	NVIDIA RTX 3500 Ada (12GB)	
<b>Video Display</b>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16" FHD+ 1920x1200, WVA, 60Hz, anti-glare, <b>Non-Touch</b>, 45% NTSC, 250 nits, RGB Camera, with Mic</p> <p><b>OR</b></p> <p>16" UHD+ 3840x2400 OLED, WVA, 60Hz, anti-glare, <b>Touch</b>, 100% DCI-P3, 400 nits, IR Camera, with Mic</p>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16.0 inch AG WUXGA (1920x1200) WLED+LBL UWVA 400 w5MP IR bnt LCD Panel (<b>Non-Touch</b>)</p> <p><b>OR</b></p> <p>16.0 inch BV WUXGA (1920x1200) WLED+LBL UWVA 400 w5MP IR DBTSP bnt LCD Panel (DBSTP = double bonded touch screen panel) (<b>Touchscreen</b>)</p>	<p><b>AGENCY CAN CHOOSE EITHER:</b></p> <p>16" WUXGA (1920 x 1200), IPS, Anti-Glare, 100% sRGB, 300 nits, Low Blue Light (<b>Non-Touch</b>)</p> <p><b>OR</b></p> <p>16" WQUXGA (3840 x 2400), OLED, Anti-Reflection/Anti-Smudge, <b>Touch</b>, 100%DCI-P3, 400 nits</p>	
<b>Hard Drive</b>	M.2 2280 1 TB, Gen 4 PCIe x4 NVMe, Solid State Drive	1TB PCIe-4x4 2280 NVMe TLC Solid State Drive	1TB SSD M.2 2280 PCIe Gen4 TLC Opal	
<b>USB Ports</b>	(1) USB 3.2 Gen 2 Type-C port with DisplayPort alt mode; (1) USB 3.2 Gen 1 port with PowerShare; (1) USB 3.2 Gen 1 port	(2) USB-A	(1) USB-A (USB 5Gbps / USB 3.2 Gen 1)  (1) USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On	
<b>HDMI or DisplayPort</b>	(1) HDMI 2.1 port	(1) HDMI, (1) mini- DisplayPort	(1) HDMI 2.1, up to 8K/60Hz	
<b>Thunderbolt Port</b>	Two (2) Thunderbolt 4.0 ports	(2) Thunderbolt 4 w/USB-C signaling	(2) Thunderbolt 4 / USB4® 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)	
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated RJ45 port	Integrated Ethernet Port	Included Mobile Ethernet Adaptor - Lenovo® USB-C® to Ethernet Adapter (2.5Gbps)	
<b>Bluetooth</b>	Bluetooth 5.2	Bluetooth 5.4	Bluetooth 5.3	



2.7a-b Elite Laptop 3 (Intel vPro, 12GB Video, 64GB Memory)	Dell	HP	Lenovo	Microsoft
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel® Wi-Fi 7 BE200 (2x2)	Yes - Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3	
<b>Webcam</b>	FHD Camera, Temporal Noise Reduction, Camera Shutter, Mic	IR Camera, with privacy shutter	FHD 1080p, with privacy shutter, fixed focus	
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones	Stereo speakers, 2W x2, Dolby® Atmos®	
<b>Power</b>	240W Power Adapter, 3' power cord	230W AC Adapter w/1.0m cable	230W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz	
<b>Battery</b>	83 Whr, 6 Cell, ExpressCharge up to 8 hours	Up to 13hrs	94Wh battery - Supports Rapid Charge, Supports up to 9 hrs benchmark	
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years	Includes 3 Year Next Business Day, On-Site	3 Year Premier Priority/Advanced Support, NBD Onsite	
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	
<b>Energy Consumption</b>	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified	
<b>Environmental</b>	EPEAT® GOLD	EPEAT GOLD	EPEAT GOLD	
<b>Unit dimensions and weight</b>	(H)Rear - .92in; (H)Front - .88in; (W) - 14.02 in (D) - 10.18in; Weight - 5.75lbs	21.73 x 13.58 x 2.71; 5.3lbs	14.3 x 10.5 x 1.2 inches; 6.5lbs	

2.8a-b Ultralight Laptop	Dell	HP	Lenovo	Microsoft
<b>Description</b>	Business Class Laptop that is thin and lightweight for easier portability, under 3.4lbs.			
<b>Vendor Model Number</b>	Latitude 5450	Elitebook 630 G11	ThinkPad X13 Gen 5	Surface 6 Laptop 13.5"
<b>Operating System</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit
<b>Processor</b>	<p><b>AGENCY CAN CHOOSE EITHER</b></p> <p>Intel(R) Core (TM) Ultra 7 155U (12 MB cache, 12 cores, 14 threads, up to 4.8 GHz) <b>(non-vPro or vPro disabled)</b></p> <p><b>OR</b></p> <p>Intel(R) Core(TM) Ultra 7 155U (12 MB cache, 12 cores, 14 threads, up to 4.8 GHz) <b>(vPro Enabled)</b></p>	<p><b>AGENCY CAN CHOOSE EITHER</b></p> <p>Intel(R) Core (TM) Ultra 7 155U (12 MB cache, 12 cores, 14 threads, up to 4.8 GHz) <b>(non-vPro or vPro disabled)</b></p> <p><b>OR</b></p> <p>Intel® Core™ Ultra 7 165U vPro® Processor (E-cores up to 3.80 GHz P-cores up to 4.90 GHz) <b>(vPro Enterprise)</b></p>	<p><b>AGENCY CAN CHOOSE EITHER</b></p> <p>Intel(R) Core (TM) Ultra 7 155U (12 MB cache, 12 cores, 14 threads, up to 4.8 GHz) <b>(non-vPro or vPro disabled)</b></p> <p><b>OR</b></p> <p>Intel® Core™ Ultra 7 165U vPro® Processor (E-cores up to 3.80 GHz P-cores up to 4.90 GHz) <b>(vPro Enterprise)</b></p>	Intel® Core™ Ultra 7 processor 165H <b>(non-vPro or vPro disabled)</b>
<b>Trusted Platform Module</b>	Yes	Yes	Yes	Yes
<b>Memory</b>	32 GB: 2 x 16 GB, DDR5, 5600 MT/s	32GB (2x16GB) DDR5 5600 SODIMM Memory	32 GB LPDDR5X-7500MHz (Soldered)	32GB LPDDR5x RAM
<b>Video</b>	Intel Integrated Graphics; support up to two 4K external displays plus laptop display.	Intel Integrated Graphics	Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)	Intel® Arc™ Graphics
<b>Video Display</b>	14.0" FHD (1920x1080) Anti-Glare, Touch, WVA, 300 nits, FHD IR Camera, WWAN	13.3 inch AG WUXGA (1920x1200) LED UWVA 300 fFHD 60Hz Touchscreen bnt LCD Panel	13.3" WUXGA (1920 x 1200), IPS, Anti-Glare, Touch, 100% sRGB, 300 nits, 60Hz	<p><b>Touchscreen:</b> 13.5-inch PixelSense™ display</p> <p>Resolution: 2256 x 1504 (201 PPI)</p> <p>Aspect ratio: 3:2</p> <p>Contrast ratio 1300:1</p> <p>Color profile: sRGB and Enhanced Individually color-calibrated display</p> <p>Adaptive color</p> <p>Touch: 10-point multi-touch</p> <p>Dolby Vision IQ™ support13</p> <p>Corning® Gorilla® Glass 5</p> <p>Anti-reflective</p> <p>Brightness: SDR 400 nits maximum (typical)</p>
<b>Hard Drive</b>	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe Value SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	512GB Gen 4 SSD
<b>USB Ports</b>	(1) USB 3.2 Gen 1 port; (1) USB 3.2 Gen 1 port with PowerShare	(2) USB-A	(1) USB-A (USB 5Gbps / USB 3.2 Gen 1) (1) USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On (2) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	(1) USB-A 3.1

2.8a-b Ultralight Laptop	Dell	HP	Lenovo	Microsoft
<b>HDMI or DisplayPort or USB-C Port</b>	1 x HDMI 2.1	(1) HDMI	(2) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1 (1) HDMI® 2.1, up to 4K/60Hz	(1) USB-C 4.0/Thunderbolt™
<b>Thunderbolt Port</b>	One (1) Thunderbolt 4 Port	(2) Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4	(2) USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	(1) USB-C 4.0/Thunderbolt Port
<b>Integrated NIC Port or Mobile Ethernet Adapter included</b>	Integrated ethernet RJ45	Integrated ethernet RJ45	<b>Included Mobile Ethernet Adaptor - Lenovo® USB-C® to Ethernet Adapter (2.5Gbps)</b>	USB-C Travel Hub <b>(must be purchased separately – part# 1E4-00001, Item 2.31)</b>
<b>Bluetooth</b>	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.3	Bluetooth 5.3
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel AX211 WiFi 6e 2x2 AX+ BT 5.2	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.3	Wi-Fi 6: 802.11ax compatible
<b>Webcam</b>	FHD HDR IR Camera, Camera Shutter, Microphone	FHD, includes shutter	5.0MP, with privacy shutter, fixed focus	1080p Full HD front-facing Surface Studio Camera (no privacy shutter)
<b>Audio</b>	Internal Speaker	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones	Stereo speakers, 2W x2, Dolby® Audio™ Premium	Omnisonic Speakers with Dolby Atmos
<b>Power</b>	65W AC adapter, USB Type-C, 3' power cord	64 Watt USB-C charger w/1.0m cable	65W USB-C® (2-pin) AC adapter	Power Supply: 15-inch is 65W
<b>Battery</b>	54WHR, 3 Cell Battery Express Charge Capable, up to 9 hours and 16 minutes	Up to 14hr 40 min	Integrated Li-Polymer 54.7Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter  MobileMark® 25: up to 15.2 hr with 667 performance score @250nits	Up to 18.5 hours of typical device usage
<b>Hardware Warranty</b>	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 with Accidental Damage coverage (must be added to order – <b>part# ZWL-00042</b> ) Microsoft does not offer onsite
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year.	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD	Included with 3 Year warranty part above
<b>Energy Consumption</b>	Energy Star	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR® certified
<b>Environmental</b>	EPEAT Gold	EPEAT GOLD	EPEAT Gold	EPEAT Gold
<b>Unit dimensions and weight</b>	Height: 0.75in, Width 12.65 in, Depth 8.35 in, Weight 3.09lbs	11.93 x 8.46 x 0.42 in; 2.79lbs	11.88 x 8.46 x 0.63 inches; 2.58lbs	12.1 x 8.8 x 0.66 inches, 3.06lbs

## 2-in-1 Laptop/Tablet Configurations

3.1a-d 2-in-1 Laptop/Tablet (non-vPro)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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			
<b>Vendor Model Number</b>	Latitude 5350 2-in-1	Elite x360 830 G11 2-in-1		Surface Pro 10
<b>Type</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit		Windows 11 Pro 64 bit
<b>Processor</b>	Intel Core Ultra 7 165U vPro (12 MB cache, 12 cores, 14 threads, up to 4.9 GHz Turbo) <b>(non-vPro or vPro disabled)</b>	Intel® Core™ Ultra 7 155U (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 Ecores, 14 threads) <b>(non-vPro or vPro disabled)</b>		Intel Core Ultra 7 165U vPro (12 MB cache, 12 cores, 14 threads, up to 4.9 GHz Turbo) <b>(non-vPro or vPro disabled)</b>
<b>Trusted Memory Platform</b>	Yes	Yes		Yes
<b>Memory</b>	32 GB: LPDDR5x, 6400 MT/s	32 GB LPDDR5X-7500 MHz RAM		32GB
<b>Resolution</b>	1920 x 1080	1920x1200		2880 x 1920 (267 PPI)
<b>Video Display</b>	13.3" FHD (1920x1080) <b>Touch</b> , AR+AS, IPS, 300 nits, FHD Cam, WLAN/WWAN (5G), Pen Supp, GGDx	13.3-inch BV WUXGA (1920x1200) LED UWVA 300 w5MP <b>Touchscreen</b> bnt LCD Panel		<b>Touchscreen:</b> 13-inch PixelSense™ Flow display <sup>17</sup> Aspect ratio: 3:2 Contrast ratio: 1300:1 Refresh rate: up to 120Hz (Dynamic refresh rate supported) Color profile: sRGB and Vivid Individually color-calibrated display Adaptive color Touch: 10-point multi-touch Dolby Vision™ IQ support <sup>18</sup> Corning® Gorilla® Glass 5 Anti-reflective Brightness: SDR 600 nits maximum (typical)
<b>Storage</b>	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe SSD		1TB SSD

3.1a-d 2-in-1 Laptop/Tablet (non-vPro)	Dell	HP	Lenovo	Microsoft
<b>USB Ports</b>	(1) USB 3.2 Gen 1 port with PowerShare (1) USB 3.2 Gen 1 port	(2) USB Type-A 5Gbps		(2) USB-C® with USB 4.0/Thunderbolt™
<b>HDMI or DisplayPort</b>	(1) HDMI 2.1	One (1) HDMI port		(2) USB-C® 3.2
<b>Thunderbolt Port</b>	One (1) Thunderbolt 4 Port	(2) Thunderbolt™ 4 with USB Type-C®		One (1) Thunderbolt 4 Port
<b>Bluetooth</b>	Bluetooth 5.3	Integrated with Bluetooth 5.3		Bluetooth® Wireless 5.3
<b>Front Camera</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	5MP Camera w/privacy shutter		Quad HD front-facing Surface Studio Camera
<b>Rear Camera</b>	N/A	N/A		10.0 MP rear-facing autofocus camera with 1080p
<b>Mobile Ethernet Adapter</b>	Order as an option - Dell Adapter USB-C to Ethernet, (750-BBKR)	Order as an option – HP USB-C to Ethernet Adapter, (N2Z63AA)		USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.31)
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel Wi-Fi 6E AC21 (2x2)		Wi-Fi 6: 802.11ax compatible
<b>WWAN</b>	4G CAT12 - Qualcomm® Snapdragon™ X12 Global LTE-Advanced (DW5825e), eSIM, AT&T, T-Mobile, Verizon (Agency must select AT&T, T-Mobile, or Verizon model)	HP 4000 4G LTE-Advanced Pro WWAN- supports AT&T, T-Mobile, Verizon. (For T-Mobile configuration, customer will need to secure sim card and install themselves or a reseller).		N/A
<b>Keyboard</b>	Integrated keyboard	Integrated Keyboard-		Detachable Type Cover (must be added to the order – part# EP2-00395)
<b>Power</b>	65W AC adapter, USB Type-C, 3' power cord	65 Watt USB-C power adapter with 1.0m cable		39W Power Supply
<b>Battery</b>	54WHR, 3 Cell Battery Express Charge Capable,	Up to 16hr 30min		Up to 19 hours of typical device usage
<b>Hardware Warranty</b>	ProSupport: Next Business Day Onsite, 3 Years, up to 9 hours and 28 minutes	3 Year Next Business Day Warranty included, options for 4 or 5 yr Support offered		3YR NBD with Accidental Damage coverage (must be added to order – part# ZWL-00033 and part# SPC-00005) Microsoft does not offer onsite
<b>Energy Consumption</b>	Meets EPA Energy Star	Energy Star Certified		ENERGY STAR® certified
<b>Environmental</b>	Meets EPEAT Gold	EPEAT Gold		EPEAT Gold
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year.	3YR KYD		Included with 3 Year warranty part above
<b>Unit dimensions and weight</b>	Height: 0.66", Width: 12.04, Depth: 8.17", 2.98lbs.	11.81 x 8.5 x 0.31in; 2.91lbs.		11.3" x 8.2" x 0.37"; 1.94lbs

3.1a 2-in-1 Laptop/Tablet (non-vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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			
<b>Vendor Model Number</b>				Surface Pro 11th Edition
<b>Type</b>				Windows 11 Pro 64 bit
<b>Processor</b>				Qualcomm® Snapdragon® X Elite
<b>Trusted Memory Platform</b>				Yes
<b>Memory</b>				<b>AGENCY CAN CHOOSE EITHER</b> 16GB <b>OR</b> 32GB
<b>Resolution</b>				2880 x 1920 (267 PPI)
<b>Video Display</b>				<b>Touchscreen:</b> 13-inch PixelSense™ Flow display18 Resolution: 2880 x 1920 (267 PPI) Aspect ratio: 3:2 Contrast ratio: 1200:1
<b>Storage</b>				<b>AGENCY CAN CHOOSE EITHER:</b> 512GB SSD <b>OR</b> 1TB SSD
<b>USB Ports</b>				2 X USB-C®/ USB4® ports with support for: Charging, Data transfer, DisplayPort 1.4a, Surface Thunderbolt™ 4 Dock
<b>HDMI or DisplayPort or USB-C Port</b>				2 X USB-C®/ USB4® ports
<b>Thunderbolt Port</b>				2 X USB-C®/ USB4® ports
<b>Bluetooth</b>				Bluetooth® Wireless 5.4

3.1a 2-in-1 Laptop/Tablet (non-vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
Front Camera				Quad HD front-facing Surface Studio Camera 1440p Quad HD camera with ultrawide field of view Windows Studio Effects with Automatic Framing, Portrait Blur, Creative filters (illustrated, animated, watercolor), Eye Contact, and Portrait Light Windows Hello face authentication camera
Rear Camera				10 MP Ultra HD rear-facing camera
Audio				Dual Studio Mics with Voice Focus <sup>24</sup> 2 W stereo speakers with Dolby® Atmos® <sup>25</sup> Support for Bluetooth® LE Audio
Internal Wireless Adapter				Wi-Fi 7 /802.11a/b/g/n/ac/ax/be, Bluetooth 5.4
Mobile Ethernet Adapter option				USB-C Travel Hub (must be purchased separately – part# 1E4-00001, Item 2.31)
WWAN				N/A
Keyboard				Detachable Type Cover (must be added to the order – part# EP2-00395)
Power				39W Power Supply
Battery				Up to 14 hours of local video playback <sup>2</sup> Up to 10 hours of active web usage <sup>23</sup>
Hardware Warranty				3YR NBD with Accidental Damage coverage (must be added to order – part# ZWL-00033 and part# SPC-00005) Microsoft does not offer onsite
Keep Hard Drive				ENERGY STAR® certified
Energy Consumption				EPEAT Gold
Environmental				Included with 3 Year warranty part above
Unit dimensions and weight				11.3" x 8.2" x 0.37"; 1.97lbs

3.2a-d 2-in-1 Laptop/Tablet (Intel vPro)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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			
<b>Vendor Model Number</b>	Latitude 5350 2-in-1	Elite x360 830 G11 2-in-1	ThinkPad L13 2-in-1 Gen 5	
<b>Type</b>	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	Windows 11 Pro 64 bit	
<b>Processor</b>	Intel Core Ultra 7 165U vPro (12 MB cache, 12 cores, 14 threads, up to 4.9 GHz Turbo) ( <b>vPro Enterprise</b> )	Intel Core Ultra 7 165U vPro (12 MB cache, 12 cores, 14 threads, up to 4.9 GHz Turbo) ( <b>vPro Enterprise</b> )	Intel Core Ultra 7 165U vPro (12 MB cache, 12 cores, 14 threads, up to 4.9 GHz Turbo) ( <b>vPro Enterprise</b> )	
<b>Trusted Memory Platform</b>	Yes	Yes	Yes	
<b>Memory</b>	32 GB: LPDDR5x, 6400 MT/s	32 GB LPDDR5X-7500 MHz RAM	32 GB LPDDR5X-7500MHz (Soldered)	
<b>Resolution</b>	1920 x 1080	1920x1200	1920 x 1200	
<b>Video Display</b>	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 300 w5MP <b>Touchscreen</b> bnt LCD Panel	13.3" WUXGA (1920 x 1200), IPS, Anti-Reflection/Anti-Smudge, Touch, 100% sRGB, 300 nits, 60Hz	
<b>Storage</b>	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe SSD	512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	
<b>USB Ports</b>	(1) USB 3.2 Gen 1 port with PowerShare (1) USB 3.2 Gen 1 port	(2) USB Type-A 5Gbps	2x USB-A (USB 5Gbps / USB 3.2 Gen 1), one Always On 1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>HDMI or DisplayPort</b>	(1) HDMI 2.1	One (1) HDMI port	1x USB-C® (USB 20Gbps / USB 3.2 Gen 2x2), with USB PD 3.0 and DisplayPort™ 1.4 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1 1x HDMI® 2.1, up to 4K/60Hz	
<b>Thunderbolt Port</b>	One (1) Thunderbolt 4 Port	(2) Thunderbolt™ 4 with USB Type-C®	1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>Bluetooth</b>	Bluetooth 5.3	Integrated with Bluetooth 5.3	Bluetooth Version 5.3	
<b>Front Camera</b>	FHD HDR RGB Camera, TNR, Camera Shutter, Microphone	5MP Camera w/privacy shutter	Front HD 720p, with privacy shutter, fixed focus	
<b>Rear Camera</b>	N/A	N/A	N/A	



3.2a-d 2-in-1 Laptop/Tablet (Intel vPro)	Dell	HP	Lenovo	Microsoft
<b>Mobile Ethernet Adapter</b>	Order as an option - Dell Adapter USB-C to Ethernet, (750-BBKR)	Order as an option – HP USB-C to Ethernet Adapter, (N2Z63AA)	Order as an option – Lenovo USB-C to Ethernet Adapter, (4X91H17795)	
<b>Internal Wireless Adapter</b>	Intel Wi-Fi 6E (6 where 6E unavailable) AX211, 2x2, 802.11ax	Intel Wi-Fi 6E AC21 (2x2)	Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.3	
<b>WWAN</b>	4G CAT12 - Qualcomm® Snapdragon™ X12 Global LTE-Advanced (DW5825e), eSIM, AT&T, T-Mobile, Verizon (Agency must select AT&T, T-Mobile, or Verizon model)	HP 4000 4G LTE-Advanced Pro WWAN- supports AT&T, T-Mobile, Verizon. (For T-Mobile configuration, customer will need to secure sim card and install themselves or a reseller).	Quectel EM061K-GL 4G CAT6 (Agency must select AT&T, T-Mobile, or Verizon model)	
<b>Keyboard</b>	Integrated keyboard	Integrated Keyboard-	Included convertible keyboard	
<b>Power</b>	65W Type-C Adapter with 3' Cord	65 Watt USB-C power adapter with 1.0m cable	65W USB-C 90%PCC AC Adapter Black (2pin) - US	
<b>Battery</b>	54WHR, 3 Cell Battery Express Charge Capable, up to 9 hours and 28 minutes	Up to 16hr 30min	Integrated Li-Polymer 46Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter; MobileMark® 25: up to 11.03 hr with 564 performance score @250nits	
<b>Hardware Warranty</b>	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	
<b>Energy Consumption</b>	Meets EPA Energy Star	Energy Star Certified	Energy Star Certified	
<b>Environmental</b>	Meets EPEAT Gold	EPEAT Gold	EPEAT Gold	
<b>Keep Hard Drive</b>	Keep Your Hard Drive, 3 Year.	3YR KYD	3YR KYD	
<b>Unit dimensions and weight</b>	Height: 0.66", Width: 12.04, Depth: 8.17", 2.98lbs.	11.81 x 8.5 x 0.31in; 2.91lbs.	12.0 x 8.58 x 0.67 inches; 2.92lbs	

3.2a-d 2-in-1 Laptop/Tablet (Intel vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
<b>Description</b>	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			
<b>Vendor Model Number</b>			ThinkPad X12 Detachable Gen 2	
<b>Type</b>			Windows 11 Pro 64	
<b>Processor</b>			Intel® Core™ Ultra 7 164U vPro® Processor (E-cores up to 3.80 GHz P-cores up to 4.80 GHz)	
<b>Trusted Memory Platform</b>			Yes	
<b>Memory</b>			32 GB LPDDR5X-7500MHz (Soldered)	
<b>Resolution</b>			Integrated Graphics	
<b>Video Display</b>			12.3" FHD+ (1920 x 1280), IPS, Anti-Reflection/Anti-Smudge, Touch, Low Power, 100% sRGB, 400 nits, 60Hz, Corning® Gorilla® Glass 3	
<b>Storage</b>			512 GB SSD M.2 2242 PCIe Gen4 TLC Opal	
<b>USB Ports</b>			1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 2.1 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>HDMI or DisplayPort</b>			1x USB-C® (USB 10Gbps / USB 3.2 Gen 2), with USB PD 3.0 and DisplayPort™ 2.1 1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>Thunderbolt Port</b>			1x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 3.0 and DisplayPort™ 2.1	
<b>Bluetooth</b>			Bluetooth 5.3	
<b>Front Camera</b>			Front 5MP IR/RGB Hybrid, Fixed Focus	
<b>Rear Camera</b>			Rear 8MP RGB, Autofocus	
<b>Audio</b>			Stereo speakers, 1W x2, Dolby Audio	
<b>Mobile Ethernet Adapter</b>			Order as an option – Lenovo USB-C to Ethernet Adapter, (4X91H17795)	
<b>Internal Wireless Adapter</b>			Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.3	
<b>WWAN</b>			Quectel EM160R-GL 4G CAT16 (Agency must select AT&T, T-Mobile, or Verizon model)	

3.2a-d 2-in-1 Laptop/Tablet (Intel vPro) (Alternate Model)	Dell	HP	Lenovo	Microsoft
<b>Keyboard</b>			Detachable Keyboard	
<b>Power</b>			65W USB-C® (2-pin) AC adapter	
<b>Battery</b>			Integrated Li-Polymer 42Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter MobileMark25@250nits: 12.47 hr	
<b>Hardware Warranty</b>			3 Year Premier Priority/Advanced Support, NBD Onsite	
<b>Keep Hard Drive</b>			Energy Star Certified	
<b>Energy Consumption</b>			EPEAT Gold	
<b>Environmental</b>			3YR KYD	
<b>Unit dimensions and weight</b>			11.15 x 8.01 x 0.35 inches; 2.92lbs	

# Monitor Configurations

4.1a Flat Panel Monitor, 24-inch (with USB-C Hub)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2425HE	E24U G5	ThinkVision T24mv-30
<b>Display Type</b>	IPS	IPS	3-side NearEdgeless In-Plane Switching
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	1920x1080 @ 60Hz	1920x1080 @ 60 Hz	1920 x 1080 @75Hz
<b>Response Time</b>	5 ms (Fast mode), 8 ms (Normal mode)	5ms gray to gray	6ms
<b>Image Contrast Ratio</b>	1500: 1 (typical)	1000 to 1	1000:1 (typical)
<b>Brightness</b>	250 cd/m <sup>2</sup> (typical)	250 cd/m <sup>2</sup>	250, WLED
<b>Pixel Pitch</b>	0.2745 mm x 0.2745 mm	0.27 (H) x 0.27 (V)mm	0.274 x 0.274 mm
<b>Angle</b>	178° H/V	178° H/V	178(H)/178(V)
<b>Colors</b>	16.7 million colors	Up to 16.7 million colors	16.7 million color
<b>Input Signal</b>	(1) DP; (1) DP out; (1) HDMI; (2) USB-C; (3) USB-A; (1) RJ-45	1 USB-C, 1 HDMI, 1 DisplayPort	1x DP 1.4 1x DP out 1x HDMI 2.1 1x USB-C 3.2 Gen 1 (DP 1.4 alt mode)
<b>Cables Included</b>	Display Port (DP-to-DP) USB 3.2 Gen2 (C-C)	USB-C Cable	1x USB-C to USB-C cable (1.8m)
<b>Tilt Base</b>	Tilt (-5° to +21°)	-5° to +20°	-5° to +23.5°
<b>Swivel</b>	Swivel (45° to 45°)	Swivel (45° to 45°)	Swivel (45° to 45°)
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot (90° clockwise)	90° Pivotable	90° Pivotable
<b>Mount</b>	VESA comp.	VESA comp.	VESA comp.
<b>Ports</b>	(1) DP; (1) DP out; (1) HDMI; (2) USB-C; (3) USB-A; (1) RJ-45	(1) USB-Power port (1) USB-C Video port (3) US-A ports (1) RJ-45 (10/100/1000 Mbps)	1x USB-C 3.2 Gen1 (DP 1.4 alt mode, up to 90W) USB upstream 4x USB 3.2 Gen1, USB downstream 1x Ethernet (RJ-45)
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 14.33 in compressed, 19.55 extended; (W) 21.21 in; (D) 7.16 in; Weight 15.96lbs	21.24 x 1.85 x 12.7 in; 13.2lbs	7.86 x 15.27 x 21.25 inches; 14.3lbs

4.1b Flat Panel Monitor, 24-inch (no USB-C Hub)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2425H	E24 G5	ThinkVision T24i-30
<b>Display Type</b>	IPS	IPS	3-side NearEdgeless, In-Plane Switching
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	1920x1080 @ 60Hz	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz
<b>Response Time</b>	5 ms (Fast mode), 8 ms (Normal mode)	5ms (typical)	6ms (typical)
<b>Image Contrast Ratio</b>	1500: 1 (typical)	1000:1 static	1000:1 (typical)
<b>Brightness</b>	250 cd/m <sup>2</sup> (typical)	250 cd/m <sup>2</sup>	250, WLED
<b>Pixel Pitch</b>	0.2745 mm x 0.2745 mm	0.2745 x 0.2745 mm	0.275 x 0.275 mm
<b>Angle</b>	178° H/V	178° H/V	178(H)/178(V)
<b>Colors</b>	16.7 million colors	Up to 16.7 million color	16.7 million color
<b>Input Signal</b>	(1) HDMI; (1) DP; (3) USB-A; (1) USB-B; (1) USB-C	(1) DisplayPort, (1) HDMI, (1) USB-A	1x HDMI 1.4 1x DisplayPort 1.2 1x VGA
<b>Cables Included</b>	DisplayPort (DP-DP) USB 3.2 Gen 1 (A-B)	(1) HDMI, (1) DisplayPort	1x USB-A to USB-B Cable (1.8m)  1x HDMI® cable (1.8m)
<b>Tilt Base</b>	Tilt (-5° to +21°)	-15° to +20°	-5° to +23.5°
<b>Swivel</b>	Swivel (45° to 45°)	±45°	Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot (90° clockwise)	90° Pivotal	90° Pivotal
<b>Mount</b>	VESA comp.	100 mm VESA mount	VESA comp.
<b>USB Ports</b>	(1) HDMI; (1) DP; (3) USB-A; (1) USB-B; (1) USB-C	(1) HDMI, (1) DisplayPort™, (1) USB-B, and (4) USB-A 3.2 ports	(1) USB-B 3.2 Gen 1, USB upstream (4) USB 3.2 Gen 1, USB downstream
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 14.33 in compressed, 19.55 extended; (W) 21.21 in; (D) 7.16 in; Weight 14.95lbs	21.24 x 1.85 x 12.7 in; 11.92lbs	7.86 x 13.77 x 21.25 inches; 11.9lbs

4.2a Flat Panel Monitor, 27-inch (with USB-C hub)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2723DE	E27u G5	ThinkVision P27h-30
<b>Display Type</b>	IPS	IPS	4-side NearEdgeless, In-Plane Switching
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	2560 x 1440 @ 60Hz	2560 x 1440 @ 60 Hz	2560 x 1440 @ 60 Hz
<b>Response Time</b>	5ms (Fast mode), 8ms (Normal mode)	5ms gray to gray	6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (typical)	1000:1 static	(1000:1), 3,000,000:1
<b>Brightness</b>	350, LED Backlight	350 nits	350 nits or cd/m2 (typical)
<b>Pixel Pitch</b>	0.2058 mm x 0.2058 mm	0.2331 x 0.2331 mm	0.2331 x 0.2331mm
<b>Angle</b>	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
<b>Colors</b>	16.7 million colors	16.7 million colors	1.07 Billion
<b>Input Signal</b>	(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 and up to 100W PD), USB upstream 1x HDMI® 2.1 TMDS 1x DisplayPort™ 1.4 1x DisplayPort™ out
<b>Cables Included</b>	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)
<b>Tilt Base</b>	Tilt (-5° to 21°)	-5° to +20°	-5° to +23°
<b>Swivel</b>	Swivel (-45° to 45°)	±45°	swivel: +/-45°
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
<b>Mount</b>	VESA comp.	100 mm VESA mount	VESA comp.
<b>Ports</b>	(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) (1) RJ-45 port	1x USB-B 3.2 Gen 1, USB upstream 1x USB-C® 3.2 Gen 1 (15W), USB downstream 4x USB 3.2 Gen 1 (1x BC), USB downstream 1x Ethernet (RJ-45)"
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(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

4.2b Flat Panel Monitor, 27-inch (no USB-C hub)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2723D	527PQ	ThinkVision P27q-30
<b>Display Type</b>	IPS	IPS	4-side NearEdgeless, In-Plane Switching
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	2560 x 1440 @ 60Hz	2560 x 1440	2560 x 1440 @ 60 Hz
<b>Response Time</b>	5ms (Fast mode), 8ms (Normal mode)	5ms	6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (typical)	1500 to 1	(1000:1), 3,000,000:1
<b>Brightness</b>	350, LED Backlight	350 cd/m <sup>2</sup>	350 nits or cd/m <sup>2</sup> (typical)
<b>Pixel Pitch</b>	0.2331 mm x 0.2331 mm	0.23	0.2331 x 0.2331mm
<b>Angle</b>	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
<b>Colors</b>	16.7 million colors	1.07 billion colors	1.07 Billion
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream	HDMI, DisplayPort 1.2, USB-A	1x HDMI® 2.1 TMDS[ 1x DisplayPort™ 1.4 1x DisplayPort™ out
<b>Cables Included</b>	DisplayPort (DP-DP); USB (A-B)	1 HDMI, 1 DisplayPort	1x DP Cable (1.8m) 1x USB-B to USB-A Cable (1.8m)
<b>Tilt Base</b>	Tilt (-5° to 21°)	-5° to +20°	-5° to +23.5°
<b>Swivel</b>	Swivel (-45° to 45°)	±45°	swivel: +/-45°
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
<b>Mount</b>	VESA comp.	VESA Adapter	VESA comp.
<b>Ports</b>	(1) HDMI; (1) DP; (1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream	Four (4) USB-A 3.2 and One (1) USB-B ports	1x USB-B 3.2 Gen 1, USB upstream  4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 21.07 in; (W) 24.08 in; (D) 7.48 in; Weight 14.9lbs	24.15 x 9.01 x 21.41 in; 20.3lb	24.09 x 8.05 x 14.97 inches; 15.0lbs

4.3 Flat Panel Monitor, 24-inch (High Resolution)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2423D		ThinkVision P24q-30
<b>Display Type</b>	IPS		3-side NearEdgeless, In-Plane Switching
<b>Aspect Ratio</b>	16:9		16:9
<b>Max / Native Resolution</b>	QHD 2560 x 1440 at 60 Hz		2560 x 1440 @ 60Hz
<b>Response Time</b>	5ms (Fast mode), 8ms (Normal mode)		6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (typical)		1000:1
<b>Brightness</b>	300 cd/m <sup>2</sup> (typical)		300 cd/m <sup>2</sup>
<b>Pixel Pitch</b>	0.2058 mm x 0.2058 mm		0.2058 x 0.2058 mm
<b>Angle</b>	(178° vertical / 178° horizontal)		178(H)/178(V)
<b>Colors</b>	16.7 million color		16.7 million color
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream		1x DP 1.4 1x DP out 1x HDMI 2.1
<b>Cables Included</b>	DisplayPort (Dp-DP); USB (A-B)		1x DP Cable (1.8m) 1x USB-A to USB-B Cable (1.8m)
<b>Tilt Base</b>	Tilt (-5° to 21°)		-5 to +23.5°
<b>Swivel</b>	Swivel (-45° to 45°)		Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes		Yes
<b>Rotation Capable</b>	Pivot (90° clockwise)		90° Pivotal
<b>Mount</b>	VESA comp.		VESA comp.
<b>Ports</b>	(1) USB 3.2 Gen1 upstream; (4) USB 3.2 Gen1 downstream		1x USB-B 3.2 Gen 1, USB upstream 4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream
<b>Hardware Warranty</b>	3-Year Advanced Exchange Service and Premium Panel Guarantee		Three Year Next Business Day Advanced Exchange
<b>Unit Dimensions and Weight</b>	(H) 19.53 in; (W) 21.17 in; (D) 7.07 in; Weight 12.02lbs		7.86 x 13.73 x 21.24 inches; 12.6lbs



4.3 Flat Panel Monitor, 24-inch (High Resolution) (Alternate Model)	Dell	HP	Lenovo
Vendor Model Number		527PQ	
Display Type		IPS	
Aspect Ratio		16:9	
Max / Native Resolution		2560 x 1440	
Response Time		5ms	
Image Contrast Ratio		1500 to 1	
Brightness		350 cd/m <sup>2</sup>	
Pixel Pitch		0.23	
Angle		178° H/V	
Colors		1.07 billion colors	
Input Signal		HDMI, DisplayPort 1.2, USB-A	
Cables Included		1 HDMI, 1 DisplayPort	
Tilt Base		-5° to +20°	
Swivel		±45°	
Height Adjustable		Yes	
Rotation Capable		90° Pivotable	
Mount		VESA Adapter	
Ports		Four (4) USB-A 3.2 and One (1) USB-B ports	
Hardware Warranty		3YR Limited Warranty with Next Business Day On-Site	
Unit Dimensions and Weight		24.15 x 9.01 x 21.41 in; 20.3lb	

4.4 Flat Panel Monitor, 27-inch (High Resolution, 4K, with USB-C Hub)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2723QE	E27K G5	hinkVision P27pz-30
<b>Display Type</b>	IPS	IPS	3-side NearEdgeless, In-Plane Switching
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	4K 3840 x 2160 at 60 Hz	4K UHD (3840 x 2160 @ 60 Hz)	3840 x 2160
<b>Response Time</b>	5 ms (Fast mode), 8 ms (Normal mode)	5 ms gray to gray	6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (typical)	1000 to 1; 8,000,000:1 (dynamic)	1000:1 (typical), 3000000:1 dynamic
<b>Brightness</b>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	Typical: 650, Peak: 1200 - Mini-LED (with 1152 zones local dimming)
<b>Pixel Pitch</b>	.1554mm x .1554mm	0.1554 x 0.1554	0.1554 x 0.1554
<b>Angle</b>	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
<b>Colors</b>	1.07 billion colors	1.07 billion colors	1.07 billion color
<b>Input Signal</b>	(1) DP, (1) HDMI, (1) USB-C (90W power delivery); (1) RJ-45	HDMI, DisplayPort™, USB-C	1x USB4® 40Gbps (support data transfer, DP 1.4 Alt Mode and up to 140W PD), USB upstream 2x HDMI® 2.1 TMDS[ 1x DisplayPort™ 1.4 1x DisplayPort™ 1.4 (Out)
<b>Cables Included</b>	DisplayPort (DP-DP); USB-C (C-C); USB-C (C-A)	USB-C Cable	1x DP Cable (1.8m) 1x HDMI® cable (1.8m) 1x USB-C® to USB-A Gen 2 Cable (1m) 1x USB4® Cable (1m)
<b>Tilt Base</b>	Tilt (-5° to 21°)	-5° to +20°	-5° to +23.5°
<b>Swivel</b>	Swivel (-45° to 45°)	±45°	Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
<b>Mount</b>	VESA comp.	VESA Adapter	VESA comp.
<b>Ports</b>	(4) USB-A; (1) DP; (1) HDMI; (1) USB-C; (1) RJ-45	(1) USB-C- Charging capable of 65W (1) SuperSpeed USB Type-C® 5Gbps signaling rate (up to 65W USB Power Delivery, Alt Mode DisplayPort™ 1.4) (3) SuperSpeed USB Type-A 5Gbps signaling rate (1 charging) 1 RJ-45 (10/100/1000 Mbps)	1x USB-C® 3.2 Gen 2 (support data transfer, up to 15W PD), USB downstream 1x USB-C® 3.2 Gen 2, USB upstream 4x USB 3.2 Gen 2 (1x BC 1.2), USB downstream 1x Ethernet (RJ-45)
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(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	24.15 x 8.68 x 15.66 inches; 19.4lbs

4.5 Flat Panel Monitor, 32-inch (High Resolution, 4K, with USB-C Hub)	Dell	HP	Lenovo
<b>Vendor Model Number</b>	U3223QE	E32K G5	ThinkVision P32p-30
<b>Display Type</b>	IPS	IPS	3-side NearEdgeless, In-Plane Switching
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	3840 x 2160 @ 60Hz	4K UHD (3840 x 2160 @ 60 Hz)	3840 x 2160 @ 60Hz
<b>Response Time</b>	8 ms (normal); 5 ms (fast)	5 ms gray to gray	6ms (typical)
<b>Image Contrast Ratio</b>	2000: 1 (typical)	1000:1 (Static); 8000000:1 (Dynamic)	1000:1 (typical), 3000000:1 dynamic
<b>Brightness</b>	400 cd/m2 (typical)	350 cd/m <sup>2</sup>	350 nits or cd/m2 (typical)
<b>Pixel Pitch</b>	0.18159 mm x 0.18159 mm	0.18	0.182 x 0.182 mm
<b>Angle</b>	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
<b>Colors</b>	1.07 billion colors	1.07 billion colors	1.07 billion color
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) USB-C; (4) USB 3.2 Gen 1; (1) RJ-45	HDMI, DisplayPort™, USB-C	1x HDMI® 2.1 TMDS 1x DisplayPort™ 1.4 1x Thunderbolt™ 4 In (Up to 100W), USB upstream
<b>Cables Included</b>	DisplayPort (DP-DP); USB (A-C); USB (C-C)	USB-C Cable	1x DP Cable (1.8m) 1x USB-A to USB-B Cable (1.8m) 1x Thunderbolt™ 4 cable (40Gbps)
<b>Tilt Base</b>	Tilt (-5° to 21°)	-5° to +20°	-5° to +23.5°
<b>Swivel</b>	Swivel (-30° to 30°)	±45°	Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
<b>Mount</b>	VESA comp.	VESA Adapter	VESA comp.
<b>Ports</b>	(1) HDMI; (1) DP; (3) USB-C; (5) USB 3.2 Gen 1; (1) RJ-45	(1) USB-C- Charging capable of 65W connectors (1) HDMI 2.01 DisplayPort™ 1.4; 1 SuperSpeed USB Type-C® 5Gbps signaling rate (Up to 15W USB Power Delivery) (1) SuperSpeed USB Type-C® 5Gbps signaling rate (up to 65W USB Power Delivery, AltMode DisplayPort™ 1.4) (3) SuperSpeed USB Type-A 5Gbps signaling rate (1 charging) (1) RJ-45 (10/100/1000 Mbps)	1x Thunderbolt™ 4 In (Up to 100W), USB upstream 1x Thunderbolt™ 4 Out (Up to 27W), USB downstream 1x USB-B 3.2 Gen 1, USB upstream 4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream 1x Ethernet (RJ-45)

4.5 Flat Panel Monitor, 32-inch (High Resolution, 4K, with USB-C Hub)	Dell	HP	Lenovo
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 24.36 in; (W) 28.06 in; (D) 9.18 in; Weight 22.84lbs	28.11 x 8.94 x 23.76 in, 18.52lbs	28.12 x 9.24 x 17.50 inches; 22.2lbs

4.5 Flat Panel Monitor, 32-inch (High Resolution, 4K, with USB-C Hub) <b>Alternate Model)</b>	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P3223DE		
<b>Display Type</b>	IPS		
<b>Aspect Ratio</b>	16:9		
<b>Max / Native Resolution</b>	QHD 2560 x 1440 at 60 Hz		
<b>Response Time</b>	8 ms (normal); 5 ms (fast)		
<b>Image Contrast Ratio</b>	1000: 1 (typical)		
<b>Brightness</b>	350 cd/m <sup>2</sup>		
<b>Pixel Pitch</b>	0.2727 mm X 0.2727 mm		
<b>Angle</b>	viewing angle at 178°/ 178°		
<b>Colors</b>	1.07 billion colors		
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) USB-C; (4) UBB 3.2 Gen 1; (1) RJ-45		
<b>Cables Included</b>	DisplayPort (DP-DP); USB (A-C); USB (C-C)		
<b>Tilt Base</b>	Tilt (-5° to 21°)		
<b>Swivel</b>	Swivel (-45° to 45°)		
<b>Height Adjustable</b>	Yes		
<b>Rotation Capable</b>	Pivot 90°, clockwise and counterclockwise		
<b>Mount</b>	VESA comp.		
<b>Ports</b>	(1) HDMI; (2) DP; (1) USB-C; (4) UBB 3.2 Gen 1; (1) RJ-45		
<b>Hardware Warranty</b>	3-Year Advanced Exchange Service and Premium Panel Guarantee		
<b>Unit Dimensions and Weight</b>	(H) 24.3 in; (W) 28.0 in; (D) 9.1 in; Weight 25.8lbs		

4.6 Flat Panel Monitor, 24-inch for Video Conferencing	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2424HEB	E24M G4	ThinkVision T24v-30
<b>Display Type</b>	IPS	IPS	3-side NearEdgeless In-Plane Switching
<b>Video Conference Capable</b>	Yes - Camera - 1080p, FHD, IR Built-in Dual Digital Microphones; Speakers	Camera 5MP; 2 microphones; speakers	1920 x 1080, 2.0-megapixel, IR + RGB camera Integrated microphone Integrated Speakers, 2x 3W
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	1920 x 1080 @ 60Hz	1920 x 1080	1920 x 1080 @ 75Hz
<b>Response Time</b>	8 ms (normal); 5 ms (fast)	5ms (typical)	6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (typical)	1000:1	1000:1; 3M:1
<b>Brightness</b>	250 cd/m <sup>2</sup> (typical)	250 nits	250 cd/m <sup>2</sup>
<b>Pixel Pitch</b>	0.2745 mm x 0.2745 mm	0.2745mm x 0.2745mm	0.2745 x 0.2745 mm
<b>Angle</b>	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
<b>Colors</b>	16.7 million colors	Up to 16.7 million colors	16.7 million colors
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) RJ45; (1) USB-B; (3) USB-A; (1) USB-C; (1) headphone/microphone jack	USB-C; DisplayPort, HDMI	1 x HDMI 1.4 1 x DP 1.2 1 x VGA
<b>Cables Included</b>	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)
<b>Tilt Base</b>	Tilt (-5° to 21°)	(-5 to +20)	-5 to +23.5°
<b>Swivel</b>	Swivel (-45° to 45°)	±45°	swivel: +/-45°; detachable stand
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot (90° clockwise)	Yes	90° Pivotal
<b>Mount</b>	VESA comp.	100 mm VESA mount	VESA comp.
<b>Ports</b>	(1) HDMI; (1) DP; (1) DP-out (1) RJ45; (1) USB-B; (3) USB-A; (1) USB-C; (1) headphone/microphone jack	(1) SuperSpeed USB Type-A 5Gbps signaling rate; (1) HDMI 1.4 (1) DisplayPort™ 1.2 (1) DisplayPort™ 1.2-out (1) 3.5 mm Audio Jack (Audio In/Out Combo) (1) SuperSpeed USB Type-C® 5Gbps signaling rate (up to 65W USB Power Delivery, Alt Mode DisplayPort™ 1.2) (4) SuperSpeed USB Type-A 5Gbps signaling rate (1) RJ-45 (10/100/1000 Mbps)	1x USB-B 3.2 Gen 1, USB upstream 1x USB 2.0 3x USB 3.2 Gen 1, USB downstream

4.6 Flat Panel Monitor, 24-inch for Video Conferencing	Dell	HP	Lenovo
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(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

4.7 Flat Panel Monitor, 27-inch for Video Conferencing	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P2724DEB	E27M G4	ThinkVision T27hv-30
<b>Display Type</b>	IPS	IPS	3-side NearEdgeless; In-Plane Switching
<b>Video Conference Capable</b>	Yes - Camera - 1080p, FHD, IR Built-in Dual Digital Microphones; Speakers	Yes, Camera - 5MP; 2 microphones; speakers	2592 x 1944, 5.0-megapixel, IR + RGB camera Integrated Microphone Integrated speakers 2x 5W
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	QHD 2560 X 1440 @ 60Hz	2560 x 1440 @ 60 Hz	2560 x 1440 @ 75Hz
<b>Response Time</b>	8 ms (normal); 5 ms (fast)	5ms	6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (typical)	1000 to 1; 10000000:1 (Dynamic)	1000:1 (typical), 3000000:1 dynamic
<b>Brightness</b>	350, LED Backlight	300	350 nits or cd/m2 (typical)
<b>Pixel Pitch</b>	.2331mm x .2331mm	.2331mm x .2331mm	0.2331 x 0.2331 mm
<b>Angle</b>	178° vertical / 178° horizontal	178(H)/178(V)	178(H)/178(V)
<b>Colors</b>	16.7 mill color	16.7 million colors	16.7 million
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) RJ45; (1) USB-B; (2) USB-A; (2) USB-C; (1) headphone/microphone jack	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
<b>Cables Included</b>	DP (DP-DP); USB-C (C-C); USB (A-B)	USB-C Cable	1x USB-C® to USB-C Cable (1.8m)
<b>Tilt Base</b>	Tilt (-5° to 21°)	(-5 to +20)	(-5° to 23.5°)
<b>Swivel</b>	Swivel (-45° to 45°)	(-45 to +45)	Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	Pivot 90°, clockwise and counterclockwise	Yes	Rotation for portrait/landscape viewing (90 to portrait)
<b>Mount</b>	VESA comp.	VESA comp.	VESA comp.
<b>Ports</b>	(1) HDMI; (1) DP; (1) DP-out; (1) RJ45; (1) USB-B; (2) USB-A; (2) USB-C; (1) headphone/microphone jack	(1) HDMI, (1) DisplayPort™, (1) USB-C® plus (4) USB ports	4x USB 3.2 Gen 1, USB downstream 1x Ethernet (RJ-45)
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 17.32 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



4.8 34-inch Curved Monitor	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P3424WE	P34hc G4 WQHD USB-C Curved	ThinkVision T34w-30
<b>Display Type</b>	IPS, Curved Screen (3800R)	VA curved Display 1500R	3-side NearEdgeless, VA 1500R
<b>Aspect Ratio</b>	21:9	21:9	21:9
<b>Max / Native Resolution</b>	WQHD 3440 x 1440 at 60 Hz	WQHD 3440 x 1440p	3440 x 1440 @60Hz
<b>Response Time</b>	8 ms (normal); 5 ms (fast)	5ms (typical)	6ms (typical)
<b>Image Contrast Ratio</b>	1000: 1 (dynamic)	1000 to 1; 5000000:1 (Dynamic)	(3000:1), 3,000,000:1
<b>Brightness</b>	300 cd/m <sup>2</sup> (typical), LED Backlight	250 nits	350 WLED
<b>Pixel Pitch</b>	0.2325 mm x 0.2325 mm	0.231 mm	0.2317 x 0.2317 mm
<b>Angle</b>	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
<b>Colors</b>	16.7 million colors	Up to 16.7 million colors	16.7 million colors
<b>Input Signal</b>	(1) HDMI; (1) DP; (1) LAN; (1) USB-B; (4) USB-A; (1) USB-C; (1)	USB-C, HDMI, Displayport	1x USB-C® 3.2 Gen 1 (DP 1.4 Alt Mode and up to 75W PD), USB upstream 1x HDMI® 2.1 TMDS 1x DisplayPort™ 1.4
<b>Cables Included</b>	Display Port (DP-DP); USB (C-C); USB (A-B)	USB-C, HDMI, DisplayPort	1 x USB Type-C to Type-C cable (1.8 m)
<b>Tilt Base</b>	Tilt (-5° to 21°)	-5 to +20°	-5 to +23.5°
<b>Swivel</b>	Swivel (-30° to 30°)	N/A	Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes	Yes	Yes
<b>Rotation Capable</b>	N/A	N/A	N/A
<b>Mount</b>	VESA comp.	100 x 100 mm	VESA comp.
<b>USB Ports</b>	(1) HDMI; (1) DP; (1) LAN; (1) USB-B; (4) USB-A; (1) USB-C;	(1) USB-C®, (1) DisplayPort™, (1) HDMI (4) SuperSpeed USB Type-A	4x USB 3.2 Gen 1 (1x BC 1.2), USB downstream 1x Ethernet (RJ-45)
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 15.4 in compressed, 21.30 in extended; (W) 32.1 in; (D) 9.3 in; Weight 22.4lbs	31.89 x 4.41 x 14.44 in; 23.17lbs	31.83 x 9.12 x 16.31 inches 20.94lbs

4.9 38-40 inch Curved Monitor	Dell	HP	Lenovo
<b>Vendor Model Number</b>	U3824DW	738PU	ThinkVision P40w-20
<b>Display Type</b>	IPS, Curved Screen (2300R)	IPS, 2300R	3-side NearEdgeless In-Plane Switching 2500R
<b>Video Conference Capable</b>	N/A	N/A	N/A
<b>Aspect Ratio</b>	21:9	21:9	21:9
<b>Max / Native Resolution</b>	WQHD+ (3840 x 1600 @ 60 Hz)	WAHD+(3840x1600)	5120 x 2160 @75Hz
<b>Response Time</b>	5 ms (Fast mode), 8 ms (Normal mode)	5 ms	6ms (typical)
<b>Image Contrast Ratio</b>	2000: 1 (typical)	2000:1	1000:1 (typical), 3000000:1 dynamic
<b>Brightness</b>	300 cd/m <sup>2</sup> (typical), LED Backlight	400 nits	300 WLED
<b>Pixel Pitch</b>	0.22908 mm x 0.22908 mm	0.23	0.1815 x 0.1815 mm
<b>Angle</b>	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
<b>Colors</b>	1.07 billion colors	1.07 billion colors	1.07 billion color
<b>Input Signal</b>	(1) DP; (2) HDMI; (2) USB-C; (1) RJ-45; (4) USB-A	(1) HDMI, (1) DisplayPort, (1) USB-C, (1) Thunderbolt	1x HDMI® 2.0 1x DisplayPort 1.4 1x USB-B 3.2 Gen 1, USB upstream
<b>Cables Included</b>	HDMI (HDMI-HDMI); DisplayPort (DP-DP); USB-C (C-C); USB 3.2 (A-C)	DP, HDMI, USB-C to A/TB	1 x Thunderbolt™ 4 cable (40 Gbps)
<b>Tilt Base</b>	Tilt (-5° to 21°)	-5° to +20°	-5° to +22°
<b>Swivel</b>	Swivel (-30° to 30°)	±10°	Swivel (-45° to 45°)
<b>Height Adjustable</b>	Yes	100 x 100 mm	Yes
<b>Rotation Capable</b>	N/A	N/A	N/A
<b>Mount</b>	VESA comp.	VESA mount	VESA comp.
<b>Ports</b>	(2) HDMI; (1) DP; (4) USB-C; (4) USB-A	(1) HDMI 2.0 (1) DisplayPort™ 1.4 (1) DisplayPort™ 1.4-out (1) USB Type-C® 10Gbps signaling rate (15 W charging) (1) Thunderbolt™ 4 with USB Type-C® ) (5) USB Type-A 10Gbps signaling rate (1 charging with 7.5 W) (1) RJ-45 (10/100/1000 Mbps)"	2x Thunderbolt™ 4 1x USB-C® 3.2 Gen 1 (27W), USB downstream 4x USB 3.2 Gen 1, USB downstream
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(H) 17.47 in compressed, 22.20 in extended; (W) 35.21 in; (D) 9.89 in; Weight 29.25lbs	35.21 x 10.51 x 22.87 in; 41.7lbs	37.30 x 11.00 x 20.12 inches; 32.19lbs

4.10 Portable 14 inch Monitor	Dell	HP	Lenovo
<b>Vendor Model Number</b>	P1424H	E14 G4 Portable	ThinkVision M14d
<b>Display Type</b>	IPS / LED	IPS	IPS
<b>Aspect Ratio</b>	16:9	16:9	16:9
<b>Max / Native Resolution</b>	1920x1080 @ 60 Hz	1920x1080 @ 60 Hz	2240 x 1400 @ 60Hz
<b>Response Time</b>	6 ms (gray-to-gray)	5ms gray to gray	6ms
<b>Image Contrast Ratio</b>	700:1 / 700:1 (typical)	800:1	Contrast Ratio: 1500:1 Dynamic Contrast Ratio: 3M:1
<b>Brightness</b>	300 cd/m <sup>2</sup> (typical), LED Backlight	400 nits	300 nits
<b>Pixel Pitch</b>	0.1611 mm	0.161mm	0.135 x 0.135 mm
<b>Angle</b>	178° H/V	178° H/V	Horizontal: 178°, Vertical: 178°
<b>Colors</b>	16.7 million colors	Up to 16.7 million colors	16.7 Million
<b>Input Signal</b>	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, USB 2.0 data transfer)
<b>Cables Included</b>	USB-C (C-C)	USB-C Cable	1x USB-C to USB-C Cable (1m)
<b>Tilt Base</b>	Tilt (10° to 90°)	(0 to 90)	Supports -5° to +95° tilt
<b>Swivel</b>	N/A	N/A	N/A
<b>Height Adjustable</b>	N/A	N/A	N/A
<b>Rotation Capable</b>	N/A	N/A	N/A
<b>Mount</b>	N/A	N/A	Supports VESA mount 100mm, 2 screw holes
<b>Ports</b>	(2) USB-C 3.2 Gen 1	(2) USB-C	2x USB-C® 3.1 Gen 1 (DP 1.2 Alt Mode, USB 2.0 data transfer)
<b>Hardware Warranty</b>	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
<b>Unit Dimensions and Weight</b>	(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	12.38 x 4.19 x 8.52 inches; 1.3lbs

4.11 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; 1.9lbs

## SECTION 4: Updates to Award

- 2024-09-19: Corrected part numbers & format for 2-in-1 accessories
- 2024-09-26: Formatting correction
- 2024-10-14: HP removed EOL Item 4.3 - Flat Panel Monitor, 24-inch (High Resolution). HP no longer has 24-inch High Resolution monitor and is offering a 27-inch High Resolution monitor as a replacement at a lower cost than the 24-inch. Alternate model is the S5 Pro 527pq QHD Monitor.
- 2024-10-25: Lenovo corrected part number and cost for Item 2.28 - Laptop Backpack (nylon,water-resistant) – New Part Number: 4X40T84059 & New Cost: \$17.00.
- 2024-11-05: Lenovo has updated the part number and cost of Item 5.06 - Keyboard, USB, Enhanced. Lenovo has removed Item 6.13 - 6-in-1 USB-C Multiport Adapter.
- 2024-11-06: HP has removed part for 4.2B 6N6F2Aa and replacing it with 9D9S0UT the same part and price we used for the Alt 4.3A.
- 2024-11-08: HP has updated the pricing on all the Desktops and Notebooks. This entails lowering costs on 2.3B High End notebook warranties; the warranties are now the same part number as the 2.3A High End Notebooks. Also lowering cost on all Warranty upgrades on items 1.17-1.24, 2.32-2.55, and 3.10-3.15.