OVERALL DESKTOP COST COMPARISON

	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
DELL	No Offering	No Offering	No Offering	No Offering	OptiPlex 7490 AlO	OptiPlex 7490 AlO	OptiPlex 7090	OptiPlex 7090	Precision 7920	Precision 7920
Sterling Computers MA-IS-2140398	No Offering	No Offering	No Offering	No Offering	\$1,064.48	\$1,345.05	\$683.55	\$890.96	\$2,251.31	\$3,254.58
HP	No Offering	No Offering	T640 Thin Client	T740 Thin Client	EliteOne 800 G6 AIO	EliteOne 800 G6 AIO	ProDesk 600 G6	ProDesk 600 G6	Z6 G4	Z6 G4
Golden Star Technology MA-IS-2140399	No Offering	No Offering	\$424.00	\$530.00	\$931.00	\$1,680.00	\$648.00	\$850.00	\$1,963.00	\$2,955.00
LENOVO	No Offering	No Offering	No Offering	No Offering	ThinkCentre M90A AIO	ThinkCentre M90A AIO	ThinkCentre M80T	ThinkCentre M80T	ThinkStation P720	ThinkStation P720
Technology Integration Group MA-IS-2140400	No Offering	No Offering	No Offering	No Offering	\$931.15	\$1,159.94	\$712.99	\$925.83	\$1,963.39	\$2,765.78
MICROSOFT	No Offering	No Offering	No Offering	No Offering	No Offering	Surface Studio 2	No Offering	No Offering	No Offering	No Offering
Zones LLC MA-IS-2140401	No Offering	No Offering	No Offering	No Offering	No Offering	\$3,526.61	No Offering	No Offering	No Offering	No Offering

Updated 12/13/2021

CONFIGURATION 1 BUSINESS CHROMEBOX					
COMPA	RISON	Dell No Offering	HP No Offering	Lenovo	Microsoft
		No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering
Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type Processor	Brick AMD / Intel Dual Core 1.8GHz				
BIOS Configuration	Boot to Hard Drive				
Operating System	Chrome				
RAM Hard Disk	4GB DDR3 non-ECC 32GB eMMC non-OPAL				
Removable Storage					
Video Graphics	HD Graphics				
Sound Network Interface	High Definition Audio Gigabit LAN 10/100/1000				
Wireless Interface	802.11 AC				
Bluetooth Interface EnergyStar Level	4.2				
ePEAT Level	Bronze				
Mouse	USB 2-Button Optical w/Scroll				
Keyboard Warranty	Standard Keyboard 3 Year Depot Service				
RAM Maximum					
USB Ports - Front (2.0 / 3.0 / C) USB Ports - Rear (2.0 / 3.0 / C)					
Maximum Support Video Resolution					
VGA Out					
HDMI Out DisplayPort Out					
Stereo line-in Connection					
Microphone-in Connection					
Speakers/line-out Connection Active/Operating (Watts)					
Power Save/Sleep Mode (Watts)					
Acoustics (max. dB) Dimensions (inches W x D x H)					
Weight (.lbs.)					
Chassis Lock & Cable Loop					
UPGRADE OPTIONS (to be ord	. ,				
Operating System	Chrome Enterprise Management				
RAM RAM	8GB non-ECC 16GB non-ECC				
RAM	32GB non-ECC				
RAM	64GB non-ECC				
Solid State Drive Solid State Drive	64GB eMMC non-OPAL 64GB PCIe non-OPAL				
Solid State Drive	128GB PCIe non-OPAL				
Solid State Drive	256GB SATA non-OPAL				
Solid State Drive Solid State Drive	256GB PCIe non-OPAL 512GB SATA non-OPAL				
Solid State Drive	512GB PCIe non-OPAL				
Graphics Graphics	AMD or nVidia w/2GB Discrete AMD or nVidia w/4GB Discrete				
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete				
Security Security	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience				
Security	5 Yr. Absolute Resilience				
Warranty Warranty	1 Additional Year 2 Additional Years				
Warranty Warranty	3 Additional Years				
ACCESSORY OPTIONS (ordered	ed at initial purchase or at	a later time)			
Video Adapter - DisplayPort to VGA Video Adapter - DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI				
Video Adapter - DisplayPort to HDMI Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to HDMi DisplayPort to Dual Display Port				
Video Adapter - HDMI to VGA	HDMI to VGA				
Video Adapter - HDMI to VGA Video Adapter - HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort				
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW				
Lock Kit	Lock Kit				
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				

CONFIGUR	ATION 2				
PERFORM	MANCE				
CHROM	EBOX				
COMPA	RISON	Dell	HP	Lenovo	Microsoft
		No Offering	No Offering	No Offering	No Offering
Features	Base Specifications	No Offering Product Details	No Offering Product Details	No Offering Product Details	No Offering Product Details
Model /Chassis Type	Brick	I Todact Details	Troduct Details	Troduct Details	Troduct Details
Processor BIOS Configuration	AMD / Intel Quad Core 2.4GHz Boot to Hard Drive				
Operating System RAM	Chrome 8GB DDR3 non-ECC				
Hard Disk	64GB eMMC non-OPAL				
Removable Storage Video Graphics	HD Graphics				
Sound	High Definition Audio				
Network Interface Wireless Interface	Gigabit LAN 10/100/1000 802.11 AC				
Bluetooth Interface EnergyStar Level	4.2				
ePEAT Level	Bronze				
Mouse Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard				
Warranty RAM Maximum	3 Year Depot Service				
USB Ports - Front (2.0 / 3.0 / C)					
USB Ports - Rear (2.0 / 3.0 / C) Maximum Support Video Resolution					
VGA Out					
HDMI Out DisplayPort Out					
Stereo line-in Connection Microphone-in Connection					
Speakers/line-out Connection					
Active/Operating (Watts) Power Save/Sleep Mode (Watts)					
Acoustics (max. dB) Dimensions (inches W x D x H)					
Weight (.lbs.)					
Chassis Lock & Cable Loop UPGRADE OPTIONS (to be ord	ered at initial purchase)				
Operating System	Chrome Enterprise Management				
RAM	16GB non-ECC				
RAM RAM	32GB non-ECC 648GB non-ECC				
Solid State Drive	64GB PCIe non-OPAL				
Solid State Drive Solid State Drive	128GB PCIe non-OPAL 256GB SATA non-OPAL				
Solid State Drive Solid State Drive	256GB PCIe non-OPAL 512GB SATA non-OPAL				
Solid State Drive	512GB PCIe non-OPAL				
Graphics Graphics	AMD or nVidia w/2GB Discrete AMD or nVidia w/4GB Discrete				
Graphics Graphics	AMD or nVidia w/6GB Discrete AMD or nVidia w/8GB Discrete				
Security	3 Yr. Absolute Resilience				
Security Security	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience				
Warranty Warranty	1 Additional Year 2 Additional Years				
Warranty	3 Additional Years				
ACCESSORY OPTIONS (ordered Video Adapter - DisplayPort to VGA	ed at initial purchase or at DisplayPort to VGA	a later time)			
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI				
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port				
Video Adapter - HDMI to VGA Video Adapter - HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort				
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW				
Lock Kit	Lock Kit				
Mounting Bracket Mounting Bracket	Mounting Bracket Mounting Bracket				
Mounting Bracket	Mounting Bracket			V	

THIN CI					
		HP	Dell	Lenovo	Microsoft
COMPAI	RISUN	T640 Thin Client \$424.00	No Offering No Offering	No Offering No Offering	No Offering No Offering
Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type Processor	Brick AMD / Intel Quad Core 1.5GHz	Brick AMD Ryzen R1505G			
BIOS Configuration	Boot to Flash	2.4GHz, 4M, 2 Core, 4 Thread Boot to Flash			
Operating System	Thin Client OS	HP Thin Pro OS			
RAM	8GB DDR3 non-ECC	8GB DDR4 non-ECC			
Hard Disk Removable Storage	32GB Flash	32GB Flash			
Video Graphics	HD Graphics	AMD Radeon Vega 3			
Sound	High Definition Audio	High Definition Audio			
Network Interface	Gigabit LAN 10/100/1000	Realtek Gigabit LAN 10/100/1000			
Wireless Interface Bluetooth Interface	802.11 AC 4.2	Realtek 802.11 AX / WiFi 6 5.2			
VDI Protocols	PCoIP, RDP, HDX, RemoteX	PCoIP, Blast, RDP, HDX, RemoteX			
EnergyStar Level	7	7			
ePEAT Level	Bronze	Silver			
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll			
Keyboard Warranty	Standard Keyboard 3 Year Depot Service	Standard Keyboard 3 Year NBD Advance Exchange			
RAM Maximum		32GB non-ECC			
USB Ports - Front (2.0 / 3.0 / C) USB Ports - Rear (2.0 / 3.0 / C)		3.1 (2) / C (1) 2.0 (2) / 3.1 (2)			
Maximum Support Video Resolution		3840 x 2160			
VGA Out					
HDMI Out DisplayPort Out		3			
Stereo line-in Connection		1			
Microphone-in Connection Speakers/line-out Connection		1			
Active/Operating (Watts)		16.57			
Power Save/Sleep Mode (Watts)		1.47			
Acoustics (max. dB) Dimensions (inches W x D x H)		2.7 1.96 x 8.26 x 8.26			
Weight (.lbs.)		2.92			
Chassis Lock & Cable Loop UPGRADE OPTIONS (to be ord		Yes			
Operating System	Windows 10 IoT	Windows 10 IoT Ent. LTSC 2019			
RAM RAM	16GB non-ECC 32GB non-ECC	16GB non-ECC 32GB non-ECC			
RAM	64GB non-ECC				
Flash Drive	64GB	64GB			
Flash Drive Flash Drive	128GB 256GB	128GB 256GB			
Flash Drive	512GB	512GB			
Graphics Graphics	AMD or nVidia w/2GB Discrete AMD or nVidia w/4GB Discrete				
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete	2 Vr. Abaaluta Daaliisaaa			
Security Security	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience			
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience			
Warranty	1 Additional Year	1 Additional Yr. NBD Adv. Exchange 2 Additional Yrs. NBD Adv. Exchange			
Warranty Warranty	2 Additional Years 3 Additional Years	2 Augulonal IIS. NDD AQV. EXchange			
ACCESSORY OPTIONS (ordered		a later time)		A	
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA			
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI			
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port				
Video Adapter - HDMI to VGA Video Adapter - HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort				
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW			
	Lock Kit				
Lock Kit Mounting Bracket	LOCK KIT Mounting Bracket	Master Key Lock w/Cable Quick Release Bracket			
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket			X	

CONFIGUR PERFORI THIN CL	MANCE				
COMPA	RISON	HP T740 Thin Client	Dell No Offering	Lenovo No Offering	Microsoft No Offering
Features	Base Specifications	\$530.00 Product Details	No Offering Product Details	No Offering Product Details	No Offering Product Details
Model /Chassis Type	Brick	Brick			
Processor	AMD / Intel Quad Core 2.0GHz	AMD Ryzen V1756B 3.25GHz, 4M, 4 Core, 8 Thread			
BIOS Configuration	Boot to Flash	Boot to Flash			
Operating System RAM	Thin Client OS 16GB DDR3 non-ECC	HP Thin Pro OS 16GB DDR4 non-ECC			
Hard Disk	64GB Flash	64GB Flash			
Removable Storage					
Video Graphics Sound	HD Graphics High Definition Audio	AMD Radeon Vega 8 High Definition Audio			
Network Interface	Gigabit LAN 10/100/1000	Realtek Gigabit LAN 10/100/1000			
	802.11 AC	Realtek 802.11 AX / WiFi 6			
Wireless Interface Bluetooth Interface	4.2	5.2			
VDI Protocols	PCoIP, RDP, HDX, RemoteX	PCoIP, Blast, RDP, HDX, RemoteX			
EnergyStar Level	7	7			
ePEAT Level	Bronze	Silver			
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll			
Keyboard Warranty	Standard Keyboard 3 Year Depot Service	Standard Keyboard 3 Year NBD Advance Exchange			
RAM Maximum		32GB non-ECC		+	
USB Ports - Front (2.0 / 3.0 / C)		3.1 (2) / C (1)			
USB Ports - Rear (2.0 / 3.0 / C) Maximum Support Video Resolution		2.0 (2) / 3.1 (2) 3840 x 2160			
VGA Out		3040 X 2100			
HDMI Out					
DisplayPort Out Stereo line-in Connection		4			
Microphone-in Connection		1			
Speakers/line-out Connection		1			
Active/Operating (Watts) Power Save/Sleep Mode (Watts)		16.57 1.47			
Acoustics (max. dB)		2.7			
Dimensions (inches W x D x H)		1.96 x 8.26 x 8.26			
Weight (.lbs.) Chassis Lock & Cable Loop		2.92 Yes			
UPGRADE OPTIONS (to be ord	ered at initial purchase)				, , , , , , , , , , , , , , , , , , , ,
Operating System	Windows 10 IoT	Windows 10 IoT Ent. LTSC 2019			
RAM	32GB non-ECC	32GB non-ECC			
RAM	64GB non-ECC				
Flash Drive	128GB	128GB			
Flash Drive Flash Drive	256GB 512GB	256GB 512GB			
Graphics	AMD or nVidia w/2GB Discrete	AMD Radeon E9173 w/2GB			
Graphics Graphics	AMD or nVidia w/4GB Discrete AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete				
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience			
Security Security	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience			
Warranty	1 Additional Year	1 Additional Yr. NBD Adv.			
Warranty	2 Additional Years	Exchange 2 Additional Yrs. NBD Adv. Exchange			
Warranty	3 Additional Years				
ACCESSORY OPTIONS (ordere Video Adapter - DisplayPort to VGA	ed at initial purchase or at DisplayPort to VGA	a later time) DisplayPort to VGA			
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI			
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port				
Video Adapter - HDMI to VGA	HDMI to VGA				
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort				
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW			
Lock Kit	Lock Kit	Master Key Lock w/Cable			
Mounting Bracket Mounting Bracket	Mounting Bracket Mounting Bracket	Quick Release Bracket			
Mounting Bracket	Mounting Bracket				
-	. v				

CONFIGURATION 5

CONFIGUR BUSIN ALL-IN COMPAI	ESS -ONE	HP EliteOne 800 G6 AIO	Lenovo ThinkCentre M90A AIO	Dell OptiPlex 7490 AIO	Microsoft No Offering
Features	Base Specifications	\$931.00 Product Details	\$931.15 Product Details	\$1,064.48 Product Details	No Offering Product Details
Model /Chassis Type	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Froduct Details
Display Size	23 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen	
Processor	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive				
Operating System	Windows 10 Pro 64Bit				
RAM	8GB DDR4 non-ECC 128GB SSD SATA non-OPAL	8GB DDR4 non-ECC 128GB PCIe non-OPAL	8GB DDR4 non-ECC 128GB SSD SATA non-OPAL	8GB DDR4 non-ECC 128GB PCle non-OPAL	
Hard Disk Removable Storage	128GB SSD SATA non-OPAL	128GB PCIe non-OPAL	128GB SSD SATA non-OPAL	128GB PCIe non-OPAL	
Video Graphics	HD Graphics	Intel UHD Graphics 630	Intel HD Graphics	Intel HD Graphics	
Web Camera Sound	Front High Definition Audio	Front Bang & Olufsen HD Audio	Front High Definition Audio	Front IR High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Wireless Interface	802.11 AC	Intel AX201 802.11 AX / WiFi 6	Intel 802.11 AC	802.11 AX / WiFi 6	
Bluetooth Interface	4.2	5	5	5.1	
Security EnergyStar Level	Intel vPro 7	Intel vPro 7	Intel vPro 8	Intel vPro 8	
ePEAT Level	Bronze	Gold	Silver	Silver	
Mouse Kevboard	USB 2-Button Optical w/Scroll Standard Keyboard				
Warranty	4 Year NBD Onsite				
RAM Maximum	(Keep Your Hard Drive)	(Keep Your Hard Drive) 32GB non-ECC	(Keep Your Hard Drive) 64GB non-ECC	(Keep You Hard Drive) 64GB non-ECC	
USB Ports - Front (2.0 / 3.0 / C)		3.1 (1) / C (1)	3.2 (2) / C (1)	3.2 (1) / C (1)	
USB Ports - Rear (2.0 / 3.0 / C) Maximum Support Video Resolution		3.1 (2) 1920 x 1080	3.2 (4) 4096 x 2304	3.2 (4) Int 1920x1080 / Ext 3840x2160	
VGA Out		1920 X 1080	4090 X 2304	IIIL 1920X1060 / EXL 3640X2160	
HDMI Out		1	4	1	
DisplayPort Out Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection Active/Operating (Watts)		1 14.68	1 150	1 65	
Power Save/Sleep Mode (Watts)		0.78	16.5	2.9	
Acoustics (max. dB) Dimensions (inches W x D x H)		43 21.2 x 7.5 x 16.5	20 21.3 x 7.9 x 16.3	39 21.26 x 2.07 x 13.54	
Weight (.lbs.)		18.25	17.3	13.39	
Chassis Lock & Cable Loop UPGRADE OPTIONS (to be ord	ered at initial nurchase)	Chassis Lock Only	Yes	Yes	
Chassis	27 Inch Touchscreen All-in-One	27 Inch Touchscreen All-in-One		27 inch Touchscreen All-in-One	
RAM	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
RAM RAM	32GB non-ECC 64GB non-ECC	32GB non-ECC	32GB non-ECC 64GB non-ECC	32GB non-ECC 64GB non-ECC	
Hard Drive	1TB SATA non-OPAL				
Hard Drive Solid State Drive	2TB SATA non-OPAL 128GB PCIe non-OPAL		2TB SATA non-OPAL 128GB PCIe non-OPAL		
Solid State Drive	256GB SATA non-OPAL		256GB SATA non-OPAL		
Solid State Drive Solid State Drive	256GB PCle non-OPAL 512GB SATA non-OPAL	256GB PCle non-OPAL	256GB PCle non-OPAL 512GB SATA non-OPAL	256GB PCle non-OPAL	
Solid State Drive	512GB PCIe non-OPAL	512GB PCle non-OPAL	512GB PCle non-OPAL	512GB PCIe non-OPAL	
Solid State Drive Solid State Drive	1TB SATA non-OPAL 1TB PCle non-OPAL	1TB PCIe non-OPAL	1TB SATA non-OPAL 1TB PCle non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL				
Solid State Drive Graphics	2TB PCIe non-OPAL AMD or nVidia w/2GB Discrete	2TB PCle non-OPAL	8x DVD+/-RW AMD Radeon 625 w/2GB	2TB PCle non-OPAL	
Graphics	AMD or nVidia w/4GB Discrete		A ME HAUGH DED WIZOD	nVidia GeForce GTX 1650 w/4GB	
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete	nVidia GeForce RTX 2070 w/8GB			
Webcam	IR	Dual IR	IR		
Security	3 Yr. Absolute Resilience				
Security Security	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience				
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years	(Reep four hard blive)	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	(Reep four hard Drive)	
Warranty	3 Additional Years		3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
ACCESSORY OPTIONS (ordered	ed at initial purchase or at a	a later time)			
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort Video Adapter - HDMI to VGA	DisplayPort to Dual Display Port HDMI to VGA		DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort HDMI to VGA	
Video Adapter - HDMI to VGA Video Adapter - HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort			HDMI to VGA HDMI to DisplayPort	
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW		USB 8x DVD+/-RW	
Lock Kit	Lock Kit	Single Key Lock w/Cable	Lock Kit		
Mounting Bracket Mounting Bracket	Mounting Bracket Mounting Bracket	EliteOne 800 G3 AIO Reclining Stand	Wall Mount Kit Adjustable Height Arm	Articulating Stand Height Adjustable Stand	

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CONFIGUR PERFORI ALL-IN	MANCE				
			A STATEMENT OF STATEMENT		
COMPA	RISON	Lenovo	Dell	HP	Microsoft
		ThinkCentre M90A AIO	OptiPlex 7490 AIO	EliteOne 800 G6 AIO	Surface Studio 2
Factures	Base Specifications	\$1,159.94 Product Details	\$1,345.05 Product Details	\$1,680.00 Product Details	\$3,526.61 Product Details
Features Model /Chassis Type	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor	Integrated w/Monitor
Display Size	23 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch Touchscreen	23.8 Inch FHD Touchscreen	28 Inch Touchscreen
Processor	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 7820HQ 2.90GHz, 8M, 4 Core, 8 Thread
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive
Operating System RAM	Windows 10 Pro 64Bit 16GB DDR4 non-ECC	Windows 10 Pro 64Bit 16GB DDR4 non-ECC	Windows 10 Pro 64Bit 16GB DDR4 non-ECC	Windows 10 Pro 64Bit 16GB DDR4 non-ECC	Windows 10 Pro 64Bit 16GB DDR4 non-ECC
Hard Disk	256GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL	256GB PCle non-OPAL	256GB PCIe non-OPAL	1 TB PCle non-OPAL
Removable Storage					
Video Graphics	AMD / nVidia w/2GB Discrete	AMD Radeon 625 w/2GB	nVidia GeForce GTX 1650 w/4GB	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce GTX 1060 w/6GB
Web Camera Sound	Front High Definition Audio	Front High Definition Audio	Front IR High Definition Audio	Front Bang & Olufsen HD Audio	Front IR High Definition Audio
Network Interface	Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Gigabit LAN 10/100/1000
Wireless Interface	802.11 AC	Intel 802.11 AC	802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	802.11 AC
Bluetooth Interface	4.2	5	5.1	5	4
Security EnergyStar Level	Intel vPro 7	Intel vPro 8	Intel vPro 8	Intel vPro 6	2:24
ePEAT Level	Bronze	Silver	Silver	Gold	Gold
Mouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	Bluetooth 2-Button Optical w/Scroll
Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Bluetooth Keyboard
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	3 Year Advanced Replacement
RAM Maximum	(Reep four flaid bilve)	64GB non-ECC	64GB non-ECC	32GB non-ECC	32GB non-ECC
USB Ports - Front (2.0 / 3.0 / C) USB Ports - Rear (2.0 / 3.0 / C)		3.2 (2) / C (1) 3.2 (4)	3.2 (1) / C (1) 3.2 (4)	3.1 (1) / C (1) 3.1 (2)	3.0 (4) / C (1)
Maximum Support Video Resolution		3.2 (4) 4096 x 2304	3.2 (4) Int 1920x1080 / Ext 3840x2160	3.1 (2) 1920 x 1080	4096 x 2304
VGA Out				1	
HDMI Out DisplayPort Out		1	1	1	
Stereo line-in Connection		1	1	1	
Microphone-in Connection Speakers/line-out Connection		1	1	1	1
Active/Operating (Watts)		150	65	14.68	44.5
Power Save/Sleep Mode (Watts) Acoustics (max. dB)		16.5 23	2.9 39	0.78 43	4.1 35
Dimensions (inches W x D x H)		23 21.3 x 7.9 x 16.3	39 21.26 x 2.07 x 13.54	43 21.2 x 7.5 x 16.5	25.1 x 1.3 x 17.3
Weight (.lbs.)		17.3	13.39	18.25	21
Chassis Lock & Cable Loop UPGRADE OPTIONS (to be ord	ered at initial purchase)	Yes	Yes	Chassis Lock Only	
Chassis	27 Inch Touchscreen All-in-One		27 inch Touchscreen All-in-One		
RAM RAM	32GB non-ECC 64GB non-ECC	32GB non-ECC 64GB non-ECC	32GB non-ECC 64GB non-ECC	32GB non-ECC	32GB non-ECC
Hard Drive	1TB SATA non-OPAL	04GB HOII-ECC	04GB HOH-ECC		
Hard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL			
Solid State Drive Solid State Drive	256GB PCle non-OPAL 512GB SATA non-OPAL	256GB PCle non-OPAL 512GB SATA non-OPAL			
Solid State Drive	512GB PCle non-OPAL	512GB PCle non-OPAL	512GB PCle non-OPAL	512GB PCle non-OPAL	
Solid State Drive Solid State Drive	1TB SATA non-OPAL 1TB PCle non-OPAL	1TB SATA non-OPAL 1TB PCle non-OPAL	1TB PCle non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL				
Solid State Drive Graphics	2TB PCIe non-OPAL AMD or nVidia w/4GB Discrete		2TB PCle non-OPAL	2TB PCle non-OPAL	2TB PCle non-OPAL
Graphics	AMD or nVidia w/6GB Discrete				
Graphics	AMD or nVidia w/8GB Discrete IR	ID		Dud IB	
Webcam Security	3 Yr. Absolute Resilience	IR 3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	Dual IR 3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security Warranty	5 Yr. Absolute Resilience 1 Additional Year	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	((interpreter hand birro)	
Warranty	3 Additional Years	3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)			
ACCESSORY OPTIONS (ordered		a later time)			
Video Adapter - DisplayPort to VGA Video Adapter - DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	USB-C to VGA USB-C to HDMI
Video Adapter - DisplayPort to HDMI Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to HDMI DisplayPort to Dual Display Port	DisplayPort to HDMI DisplayPort to Dual DisplayPort	DisplayPort to HDMI DisplayPort to Dual DisplayPort		
Video Adapter - HDMI to VGA	HDMI to VGA	Displayi on to Dual DisplayP011	HDMI to VGA		
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort		HDMI to DisplayPort		
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW		USB 8x DVD+/-RW	USB 8x DVD+/-RW	
Lock Kit	Lock Kit	Lock Kit		Single Key Lock w/Cable	
Mounting Bracket Mounting Bracket	Mounting Bracket Mounting Bracket	Wall Mount Kit Adjustable Height Arm	Articulating Stand Height Adjustable Stand	EliteOne 800 G3 AlO Reclining Stand	
mounting bracket	woulding bracket				

CONF B С CO

CONFIGU BUSII COMP	NESS				
COMPA	RISON	HP BroDook 600 CC	Dell OntiDiau 7000	Lenovo	Microsoft
		ProDesk 600 G6 \$648.00	OptiPlex 7090 \$683.55	ThinkCentre M80T \$712.99	No Offering No Offering
Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Mini Tower	Mini Tower	Mini Tower	Mini Tower	
Processor	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Dperating System	Windows 10 Pro 64Bit 8GB DDR4 non-ECC	Windows 10 Pro 64Bit 8GB DDR4 non-ECC	Windows 10 Pro 64Bit 8GB DDR4 non-ECC	Windows 10 Pro 64Bit 8GB DDR4 non-ECC	
Hard Disk	128GB SSD SATA non-OPAL	128GB PCle non-OPAL	128GB PCle non-OPAL	128GB SSD SATA non-OPAL	
Removable Storage					
/ideo Graphics Sound	HD Graphics High Definition Audio	Intel UHD Graphics 630 High Definition Audio	Intel HD Graphics High Definition Audio	Intel HD Graphics High Definition Audio	
letwork Interface	Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Vireless Interface	802.11 AC	Intel AX201 802.11 AX / WiFi 6	802.11 AX / WiFi 6	Intel Gigabit LAN 10/100/1000	
vireiess interface	802.11 AC 4.2	1010 102 11 102 11 1 1 1 1 1 1 1 1 1 1 1	5.1	10100 1002.111 AC	
ecurity	Intel vPro	Intel vPro	Intel vPro	Intel vPro	
EnergyStar Level PEAT Level	7 Bronze	6 Gold	7 Bronze	8 Silver	
Nouse	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	
(eyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	
Varranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite (Keep Your Hard Drive)	
AM Maximum		128GB non-ECC	128GB non-ECC	128GB non-ECC	
JSB Ports - Front (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (1)	
JSB Ports - Rear (2.0 / 3.0 / C) /aximum Support Video Resolution		2.0 (2) / 3.1 (4) 3840 x 2140	2.0 (2) / 3.2 (4) 3840 x 2160	3.2 (4) 4096 x 2304	
/GA Out		0	1	1000 x 200 1	
IDMI Out		0	1	1	
DisplayPort Out Stereo line-in Connection		2	2	2	
licrophone-in Connection		1	1	1	
speakers/line-out Connection		1	1	1	
Active/Operating (Watts) Power Save/Sleep Mode (Watts)		13.59 1.32	65 Unavailable	180 27	
Acoustics (max. dB)		29	26.3	26	
Dimensions (inches W x D x H)		6.69 x 10.79 x 13.3	6.65 x 11.84 x 14.45	5.7 x 11.7 x 13.6	
Veight (.lbs.) Chassis Lock & Cable Loop		15.77 Yes	20.61 Yes	10.6 Yes	
JPGRADE OPTIONS (to be o	rdered at initial purchase)				
chassis	Desktop			Desktop	
Chassis Chassis	Small Form Factor (SFF) Ultra Small Form Factor (USFF)	Small Form Factor (SFF) Ultra Small Form Factor (USFF)	Small Form Factor (SFF) Ultra Small Form Factor (USFF)	Small Form Factor (SFF)	
hassis	Micro Form Factor (MFF)		Micro Form Factor (MFF)	Micro Form Factor (MFF)	
AM	16GB non-ECC	16GB non-ECC	16GB non-ECC	16GB non-ECC	
AM AM	32GB non-ECC 64GB non-ECC	32GB non-ECC 64GB non-ECC	32GB non-ECC 64GB non-ECC	32GB non-ECC 64GB non-ECC	
ard Drive	1TB SATA non-OPAL	1 TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
ard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL 128GB PCIe non-OPAL	
olid State Drive	128GB PCle non-OPAL 256GB SATA non-OPAL			256GB SATA non-OPAL	
olid State Drive	256GB PCle non-OPAL	256GB PCle non-OPAL	256GB PCle non-OPAL	256GB PCIe non-OPAL	
olid State Drive olid State Drive	512GB SATA non-OPAL 512GB PCle non-OPAL	512GB PCle non-OPAL	512GB PCle non-OPAL	512GB SATA non-OPAL 512GB PCIe non-OPAL	
olid State Drive	1TB SATA non-OPAL			1TB SATA non-OPAL	
olid State Drive	1TB PCle non-OPAL	1TB PCle non-OPAL	1TB PCIe non-OPAL	1TB PCle non-OPAL	
olid State Drive olid State Drive	2TB SATA non-OPAL 2TB PCle non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB SATA non-OPAL 2TB PCle non-OPAL	
emovable Storage	8x DVD+/-RW		8x DVD+/-RW	8x DVD+/-RW	
iraphics	AMD or nVidia w/2GB Discrete	AMD Radeon R7 430 w/2GB	AMD Radeon 550 w/2GB	AMD Radeon 520 w/2GB	
iraphics	AMD or nVidia w/4GB Discrete AMD or nVidia w/6GB Discrete	AMD Radeon RX 550X w/4GB	AMD Radeon RX 640 w/4GB nVidia GeForce GTX 1660 w/6GB	AMD Radeon RX 550X w/4GB	
Graphics	AMD or nVidia w/8GB Discrete	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 3070 w/8GB		
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security Security	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience	
Varranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Varranty	2 Additional Voors			2 Additional Yrs. NBD Onsite	

Warranty	2 Additional Years			2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)	
Warranty	3 Additional Years			3 Additional Yrs. NBD Onsite	
wairanty	3 Additional Tears			(Keep Your Hard Drive)	
ACCESSORY OPTIONS (ordere	ed at initial purchase or at a	a later time)			
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port		DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	
Video Adapter - HDMI to VGA	HDMI to VGA		HDMI to VGA	HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort		HDMI to DisplayPort		
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW		
Lock Kit	Lock Kit	Master Key Lock w/Cable		Lock Kit	
Mounting Bracket	Mounting Bracket	Quick Release Bracket	OptiPlex MFF VESA Mount	Wall Mount Kit	
Mounting Bracket	Mounting Bracket		OptiPlex MFF Dual VESA Mount		
Mounting Bracket	Mounting Bracket				

CONFIGURATION 8 PERFORMANCE COMPUTER **COMPARISON**

Features Model /Chassis Type

BIOS Configuration Operating System RAM Hard Disk Removable Storage

Video Graphics Sound Network Interface

Wireless Interface Bluetooth Interface

Security EnergyStar Level ePEAT Level

Mouse

Keyboard

Processor

RATION 8 MANCE UTER				
RISON	HP ProDesk 600 G6	Dell OptiPlex 7090	Lenovo ThinkCentre M80T	Microsoft No Offering
				•
	\$850.00	\$890.96	\$925.83	No Offering
Base Specifications	Product Details	Product Details	Product Details	Product Details
Mini Tower	Mini Tower	Mini Tower	Mini Tower	
Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	
Boot to Hard Drive				
Windows 10 Pro 64Bit				
16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 non-ECC	
256GB SSD SATA non-OPAL	256GB PCle non-OPAL	256GB PCle non-OPAL	256GB SSD SATA non-OPAL	
AMD / nVidia w/2GB Discrete	AMD Radeon R7 430 w/2GB	AMD Radeon 550 w/2GB	AMD Radeon 520 w/2GB	
High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
802.11 AC	Intel AX201 802.11 AX / WiFi 6	802.11 AX / WiFi 6	Intel 802.11 AC	
4.2	5	5.1	5	
Intel vPro	Intel vPro 6	Intel vPro	Intel vPro 8	
7 Bronze	6 Gold	/ Bronze	8 Silver	
USB 2-Button Optical w/Scroll				
Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	
4 Year NBD Onsite				
(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep You Hard Drive)	(Keep Your Hard Drive)	
	128GB non-ECC	128GB non-ECC	128GB non-ECC	
	2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (1)	
	2.0 (2) / 3.1 (4)	2.0 (2) / 3.2 (4)	3.2 (4)	
	3840 x 2140	3840 x 2160	4096 x 2304	
		1		
		1	1	
	2	2	2	
	1	1	1	
	1	1	1	
	1	1	1	

	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	
Warranty	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep You Hard Drive)	(Keep Your Hard Drive)	
RAM Maximum	(Reep Tour Hard Diffe)	128GB non-ECC	128GB non-ECC	128GB non-ECC	
USB Ports - Front (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (1)	
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (2) / 0 (1)	2.0 (2) / 3.2 (1) / 0 (1)	3.2 (4)	
Maximum Support Video Resolution		3840 x 2140	3840 x 2160	4096 x 2304	
VGA Out		3040 X 2140	1	4030 X 2304	
HDMI Out			1	1	
DisplayPort Out		2	2	2	
Stereo line-in Connection		1	1	1	
Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	
Active/Operating (Watts)		13.59	65	180	
Power Save/Sleep Mode (Watts)		1.32	Unavailable	27	
Acoustics (max. dB)		29	26.3	26	
Dimensions (inches W x D x H)		6.69 x 10.79 x 13.3	6.65 x 11.84 x 14.45	5.7 x 11.7 x 13.6	
		15.77	20.61	10.6	
Weight (.lbs.) Chassis Lock & Cable Loop		Yes	Yes	Yes	
		res	res	res	
UPGRADE OPTIONS (to be ord					
Chassis	Desktop			Desktop	
Chassis	Small Form Factor (SFF)	Small Form Factor (SFF)	Small Form Factor (SFF)	Small Form Factor (SFF)	
Chassis	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)		
Chassis	Micro Form Factor (MFF)		Micro Form Factor (MFF)	Micro Form Factor (MFF)	
RAM	32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	
RAM	64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	
Hard Drive	1TB SATA non-OPAL	1 TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
Hard Drive	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	
Solid State Drive	256GB PCle non-OPAL			256GB PCIe non-OPAL	
Solid State Drive	512GB SATA non-OPAL			512GB SATA non-OPAL	
Solid State Drive	512GB PCle non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCle non-OPAL	
Solid State Drive	1TB SATA non-OPAL			1TB SATA non-OPAL	
Solid State Drive	1TB PCle non-OPAL	1TB PCIe non-OPAL	1TB PCle non-OPAL	1TB PCle non-OPAL	
Solid State Drive	2TB SATA non-OPAL			2TB SATA non-OPAL	
Solid State Drive	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	
Removable Storage	8x DVD+/-RW		8x DVD+/-RW	8x DVD+/-RW	
Graphics	AMD or nVidia w/4GB Discrete	AMD Radeon RX 550X w/4GB	AMD Radeon RX 640 w/4GB	AMD Radeon RX 550X w/4GB	
Graphics	AMD or nVidia w/6GB Discrete		nVidia GeForce GTX 1660 w/6GB		
Graphics	AND OF ITVIDIA WOGB DISCIPLE		IIVIdia Geroice GTX 1000 W/0GB		
Graphics	AMD or nVidia w/8GB Discrete	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 3070 w/8GB		
Security	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
		1 Additional Yr. NBD Onsite	1 Additional Yr. NBD Onsite	1 Additional Yr. NBD Onsite	
Warranty	1 Additional Year	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)	
			1	2 Additional Yrs. NBD Onsite	
Warranty	2 Additional Years			(Keep Your Hard Drive)	
Warranty	3 Additional Years		1	3 Additional Yrs. NBD Onsite	
wairanty	5 AUGILIONAL TEALS			(Keep Your Hard Drive)	
ACCESSORY OPTIONS (ordered	d at initial purchase or at	a later time)			
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port		DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	
Video Adapter - HDMI to VGA	HDMI to VGA		HDMI to VGA	HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort		HDMI to DisplayPort		
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW		
÷					
Lock Kit	Lock Kit	Master Key Lock w/Cable		Lock Kit	
Mounting Bracket	Mounting Bracket	DM Chassis Tower Stand	OptiPlex MFF VESA Mount	Wall Mount Kit	
Mounting Bracket	Mounting Bracket		OptiPlex MFF Dual VESA Mount		
Mounting Bracket	Mounting Bracket				

CONFIGUR BUSIN WORKST COMPAR	ESS ATION	HP Z6 G4 \$1.963.00	Lenovo ThinkStation P720 \$1.963,39	Dell Precision 7920 \$2.251.31	Microsoft No Offering No Offering
Features	Base Specifications	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type	Tower Intel Xeon 4210R	Tower Intel Xeon 4210R	Tower Intel Xeon 4210R	Tower Intel Xeon 4210R	
Processor	2.40GHz, 14M, 10 Core, 20 Thread	-	2.40GHz, 14M, 10 Core, 20 Thread		
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System RAM	Windows 10 Pro 64Bit 16GB DDR4 ECC	Windows 10 Pro 64Bit 16GB DDR4 ECC	Windows 10 Pro 64Bit 16GB DDR4 ECC	Windows 10 Pro 64Bit 16GB DDR4 ECC	
Hard Disk	512GB SSD SATA non-OPAL	512GB PCIe non-OPAL	512GB SSD SATA non-OPAL	512GB SSD SATA non-OPAL	
Removable Storage Video Graphics	AMD / nVidia w/2GB Discrete	nVidia Quadro P400 w/2GB	nVidia Quadro P620 w/2GB	nVidia Quadro P400 w/2GB	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000 Intel 802.11 AC	Intel Gigabit LAN 10/100/1000	
Wireless Interface Bluetooth Interface	802.11 AC 4.2	Intel AX201 802.11 AX / WiFi 6 5	Intel 802.11 AC	Intel 802.11 AC 4.2	
Security EnergyStar Level	Intel vPro	Intel vPro 6	Intel vPro 2:24	Intel vPro	
ePEAT Level	Bronze	Gold	Bronze	Bronze	
Mouse Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	
Warranty	4 Year NBD Onsite (Keep Your Hard Drive)	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	
RAM Maximum	(Keep Your Hard Drive)	(Keep Your Hard Drive) 384GB ECC	(Keep Your Hard Drive) 768GB ECC	(Keep You Hard Drive) 2TB ECC	
USB Ports - Front (2.0 / 3.0 / C) USB Ports - Rear (2.0 / 3.0 / C)		3.1 (4) 3.1 (6)	3.1 (4) 2.0 (2) / 3.1 (4)	3.2 (2) / C (2) 3.2 (6)	
Maximum Support Video Resolution		3840 x 2140	7680 x 4320	3840 x 2140	
VGA Out HDMI Out					
DisplayPort Out		4 mini	4 mini	4 mini	
Stereo line-in Connection Microphone-in Connection		1	1	1	
Speakers/line-out Connection Active/Operating (Watts)		1 100	1 690	1 100	
Power Save/Sleep Mode (Watts)		20	55.2	Unavailable	
Acoustics (max. dB) Dimensions (inches W x D x H)		Not Available 6.65 x 18.3 x 17.5	31 6.89 x 19.1 x 17.6	30.1 8.58 x 22.29 x 17.05	
Weight (.lbs.)		30.1	52.25	45	
Chassis Lock & Cable Loop UPGRADE OPTIONS (to be ord	ered at initial purchase)	Yes	Yes	Yes	
Chassis	Desktop				
Chassis Chassis	Small Form Factor (SFF) Ultra Small Form Factor (USFF)				
Chassis RAM	Micro Form Factor (MFF) 32GB ECC	32GB ECC	32GB ECC	32GB ECC	
RAM	64GB ECC	64GB ECC	64GB ECC	64GB ECC	
	128GB ECC 256GB ECC	128GB ECC 256GB ECC / Chassis Upgrade	128GB ECC 256GB ECC	128GB ECC 256GB ECC	
Hard Drive	1TB SATA non-OPAL	1 TB SATA non-OPAL		1TB SATA non-OPAL	
Hard Drive Solid State Drive	2TB SATA non-OPAL 512GB PCIe non-OPAL	2TB SATA non-OPAL	512GB PCle non-OPAL	2TB SATA non-OPAL 512GB PCIe non-OPAL	
Solid State Drive Solid State Drive	1TB SATA non-OPAL 1TB PCle non-OPAL	1TB PCIe non-OPAL	1TB SATA non-OPAL 1TB PCle non-OPAL	1TB PCIe non-OPAL	
Solid State Drive	2TB SATA non-OPAL		2TB SATA non-OPAL		
Solid State Drive 2nd Solid State Drive	2TB PCIe non-OPAL 2TB SATA non-OPAL	2TB PCle non-OPAL	2TB PCIe non-OPAL 2TB SATA non-OPAL	2TB PCIe non-OPAL	
2nd Solid State Drive	2TB PCIe non-OPAL 8x DVD+/-RW	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCle non-OPAL	
Removable Storage Graphics	AMD or nVidia w/4GB Discrete	nVidia Quadro P2200 w/5GB	8x DVD+/-RW nVidia Quadro P1000 w/4GB	16x DVD+/-RW AMD Radeon Pro WX 3200 w/4GB	
Graphics	AMD or nVidia w/6GB Discrete	AMD Radeon Pro WX 5500 w/8GB	nVidia Quadro P2200 w/5GB	AND Radeon To WA 3200 WHED	
Graphics	AMD or nVidia w/8GB Discrete	nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB	AMD Radeon Pro W5500 w/8GB	
Security Security	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	
Warranty	1 Additional Year	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)	
Warranty	2 Additional Years		2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
Warranty	3 Additional Years		3 Additional Yrs. NBD Onsite (Keep Your Hard Drive)		
ACCESSORY OPTIONS (ordere	-				
Video Adapter - DisplayPort to VGA Video Adapter - DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	DisplayPort to VGA DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port		DisplayPort to Dual DisplayPort		
Video Adapter - HDMI to VGA	HDMI to VGA			HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort			HDMI to DisplayPort	
Removable Storage - USB 8x DVD+/-RW Lock Kit	USB 8xDVD+/-RW Lock Kit	USB 8x DVD+/-RW Single Key Lock w/Cable	Lock Kit	USB 8x DVD+/-RW	
Mounting Bracket	Mounting Bracket	Single Key LUCK W/Cable			
Mounting Bracket Mounting Bracket	Mounting Bracket Mounting Bracket				
	mounting brocket			x aanaa ahaa ahaa ahaa ahaa ahaa ahaa aha	***************************************

Iodel /Chassis Type Tower		Lenovo ThinkStation P720 \$2,765.78	HP Z6 G4 \$2,955.00	Dell Precision 7920 \$3,254.58	Microsoft No Offering No Offering
Features		Product Details Tower	Product Details Tower	Product Details Tower	Product Details
Model /Chassis Type				Intel Xeon 4216	
Processor	2.10GHz, 22M, 16 Core, 32 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread	2.10GHz, 22M, 16 Core, 32 Thread	
BIOS Configuration	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive	
Operating System RAM	Windows 10 Pro 64Bit 32GB DDR4 ECC	Windows 10 Pro 64Bit 32GB DDR4 ECC	Windows 10 Pro 64Bit 32GB DDR4 ECC	Windows 10 Pro 64Bit 32GB DDR4 ECC	
RAM Hard Disk	1TB SSD SATA non-OPAL	1TB SSD SATA non-OPAL	1TB PCle non-OPAL	1TB PCle non-OPAL	
Removable Storage					
Video Graphics	AMD / nVidia w/4GB Discrete	nVidia Quadro P1000 w/4GB	AMD Radeon Pro WX 5500 w/8GB	AMD Radeon Pro WX 3200 w/4GB	
Sound	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	
Network Interface	Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	
Wireless Interface	802.11 AC	Intel 802.11 AC	Intel AX201 802.11 AX / WiFi 6	Intel 802.11 AC	
Bluetooth Interface	4.2	5	5	4.2	
Security EnergyStar Level	Intel vPro 7	Intel vPro 6.1	Intel vPro 6	Intel vPro 7	
ePEAT Level	Bronze	Bronze	Gold	Bronze	
Mouse Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	
Warranty	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	
	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep You Hard Drive)	
RAM Maximum USB Ports - Front (2.0 / 3.0 / C)		768GB ECC 3.1 (4)	384GB ECC 3.1 (4)	2TB ECC 3.2 (2) / C (2)	
USB Ports - Rear (2.0 / 3.0 / C)		2.0 (2) / 3.1 (4)	3.1 (6)	3.2 (6)	
Maximum Support Video Resolution VGA Out		7680 x 4320	3840 x 2140	3840 x 2140	
HDMI Out					
DisplayPort Out		4 mini	4 mini	4 mini	
Stereo line-in Connection Microphone-in Connection		1	1	1	
Speakers/line-out Connection		1	1	1	
Active/Operating (Watts)		690	100	100	
Power Save/Sleep Mode (Watts) Acoustics (max. dB)		55.2 31	20 Not Available	Unavailable 30.1	
Dimensions (inches W x D x H)		6.89 x 19.1 x 17.6	6.65 x 18.3 x 17.5	8.58 x 22.29 x 17.05	
Weight (.lbs.) Chassis Lock & Cable Loop		52.25 Yes	30.1 Yes	45 Yes	
UPGRADE OPTIONS (to be orde	ered at initial purchase)	fes	fes	fes	
Chassis	Desktop				
Chassis Chassis	Small Form Factor (SFF) Ultra Small Form Factor (USFF)				
Chassis	Micro Form Factor (MFF)				
RAM	64GB ECC	64GB ECC	64GB ECC	64GB ECC	
RAM RAM	128GB ECC 256GB ECC	128GB ECC 256GB ECC	128GB ECC 256GB ECC / Chassis Upgrade	128GB ECC 256GB ECC	
Hard Drive	2TB SATA non-OPAL	0	2TB SATA non-OPAL	250GB ECC 2TB SATA non-OPAL	
Solid State Drive	1TB PCle non-OPAL	1TB PCle non-OPAL			
Solid State Drive Solid State Drive	2TB SATA non-OPAL 2TB PCle non-OPAL	2TB SATA non-OPAL 2TB PCle non-OPAL	2TB PCle non-OPAL	2TB PCle non-OPAL	
2nd Solid State Drive	2TB FOR NON-OPAL	2TB SATA non-OPAL			
2nd Solid State Drive	2TB PCle non-OPAL	2TB PCle non-OPAL	2TB PCIe non-OPAL	2TB PCle non-OPAL	
Removable Storage	8x DVD+/-RW	8x DVD+/-RW		16x DVD+/-RW	
Graphics	AMD or nVidia w/6GB Discrete	nVidia Quadro P2200 w/5GB	AMD Radeon Pro WX 7100 w/8GB		
Graphics Security	AMD or nVidia w/8GB Discrete 3 Yr. Absolute Resilience	nVidia Quadro RTX 4000 w/8GB 3 Yr. Absolute Resilience	nVidia Quadro RTX 4000 w/8GB 3 Yr. Absolute Resilience	AMD Radeon Pro W5500 w/8GB 3 Yr. Absolute Resilience	
Security	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	4 Yr. Absolute Resilience	
Security	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	5 Yr. Absolute Resilience	
Warranty	1 Additional Year	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	
Warranty	2 Additional Years	2 Additional Yrs. NBD Onsite (Keep Your Hard Drive)			
Warranty	3 Additional Years	3 Additional Yrs. NBD Onsite			
ACCESSORY OPTIONS (ordered		(Keep Your Hard Drive)			
Video Adapter - DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	
Video Adapter - DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	
Video Adapter - DisplayPort to Dual DisplayPort	DisplayPort to Dual Display Port	DisplayPort to Dual DisplayPort			
Video Adapter - HDMI to VGA	HDMI to VGA			HDMI to VGA	
Video Adapter - HDMI to DisplayPort	HDMI to DisplayPort			HDMI to DisplayPort	
Removable Storage - USB 8x DVD+/-RW	USB 8xDVD+/-RW		USB 8x DVD+/-RW	USB 8x DVD+/-RW	
Lock Kit	Lock Kit	Lock Kit	Master Key Lock w/Cable		
Mounting Bracket	Mounting Bracket				
Mounting Bracket	Mounting Bracket				

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DELL DESKTOPS

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	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE
	CHROMEBOX	CHROMEBOX	THIN CLIENT	THIN CLIENT	ALL-IN-ONE	ALL-IN-ONE	COMPUTER	COMPUTER	WORKSTATION	WORKSTATION
	OTINOMILBOX	OTINOMEDOX							WORKOTATION	WorktonAnon
Sterling Computers MA-IS-2140398								0	0	Θ
Model	No Offering	No Offering	No Offering	No Offering	OptiPlex 7490 AIO	OptiPlex 7490 AIO	OptiPlex 7090	OptiPlex 7090	Precision 7920	Precision 7920
Cost	No Offering	No Offering	No Offering	No Offering	\$1,064.48	\$1,345.05	\$683.55	\$890.96	\$2,251.31	\$3,254.58
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details				
Model /Chassis Type	FIGUICE Details	Floduct Details	Froduct Details		Integrated w/Monitor	Integrated w/Monitor	Mini Tower	Mini Tower	Tower	Tower
Display Size					23.8 Inch Touchscreen	23.8 Inch Touchscreen				
Processor					Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread
BIOS Configuration					Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive			
Operating System					Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit			
RAM					8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 ECC	32GB DDR4 ECC
Hard Disk					128GB PCIe non-OPAL	256GB PCIe non-OPAL	128GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB SSD SATA non-OPAL	1TB PCIe non-OPAL
Removable Storage										
Video Graphics					Intel HD Graphics	nVidia GeForce GTX 1650 w/4GB	Intel HD Graphics	AMD Radeon 550 w/2GB	nVidia Quadro P400 w/2GB	AMD Radeon Pro WX 3200 w/4GB
Web Camera					Front IR	Front IR				
Sound					High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface					Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000	Intel Gigabit LAN 10/100/1000			
Wireless Interface					802.11 AX / WiFi 6	Intel 802.11 AC	Intel 802.11 AC			
Bluetooth Interface VDI Protocols					5.1	5.1	5.1	5.1	4.2	4.2
Security					Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level					8	8	7	7	7	7
ePEAT Level					Silver	Silver	Bronze	Bronze	Bronze	Bronze
Mouse					USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll	USB 2-Button Optical w/Scroll			
Keyboard					Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard
Warranty					4 Year NBD Onsite (Keep You Hard Drive)	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite
RAM Maximum		 	+	<u> </u>	64GB non-ECC	(Keep You Hard Drive) 64GB non-ECC	(Keep You Hard Drive) 128GB non-ECC	(Keep You Hard Drive) 128GB non-ECC	(Keep You Hard Drive) 2TB ECC	(Keep You Hard Drive) 2TB ECC
USB Ports - Front (2.0 / 3.0 / C)					3.2 (1) / C (1)	3.2 (1) / C (1)	2.0 (2) / 3.2 (1) / C (1)	2.0 (2) / 3.2 (1) / C (1)	3.2 (2) / C (2)	3.2 (2) / C (2)
USB Ports - Rear (2.0 / 3.0 / C)					3.2 (4)	3.2 (4)	2.0 (2) / 3.2 (4)	2.0 (2) / 3.2 (4)	3.2 (6)	3.2 (6)
Maximum Support Video Resolution					Int 1920x1080 / Ext 3840x2160	Int 1920x1080 / Ext 3840x2160	3840 x 2160	3840 x 2160	3840 x 2140	3840 x 2140
VGA Out							1	1		
HDMI Out					1	1	1	1		
DisplayPort Out					1	1	2	2	4 mini	4 mini
Stereo line-in Connection Microphone-in Connection					1	1	1	1	1	1
Speakers/line-out Connection					1	1	1	1	1	1
Active/Operating (Watts)					65	65	65	65	100	100
Power Save/Sleep Mode (Watts)					2.9	2.9	Unavailable	Unavailable	Unavailable	Unavailable
Acoustics (max. dB)					39	39	26.3	26.3	30.1	30.1
Dimensions (inches W x D x H)					21.26 x 2.07 x 13.54	21.26 x 2.07 x 13.54	6.65 x 11.84 x 14.45	6.65 x 11.84 x 14.45	8.58 x 22.29 x 17.05	8.58 x 22.29 x 17.05
Weight (.lbs.)					13.39	13.39	20.61	20.61	45	45
Chassis Lock & Cable Loop					Yes	Yes	Yes	Yes	Yes	Yes

DELL DESKTOPS

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	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
Starling Computors	<u>orintoimebox</u>	CHIKOMEBOX								
Sterling Computers MA-IS-2140398						Provide a construction of the second se	0		Θ	Θ
					Constanting of the second	Constanting and a second				
Model	No Offering	No Offering	No Offering	No Offering	OptiPlex 7490 AIO	OptiPlex 7490 AIO	OptiPlex 7090	OptiPlex 7090	Precision 7920	Precision 7920
Cost Features	No Offering Product Details	No Offering Product Details	No Offering Product Details	No Offering Product Details	\$1,064.48 Product Details	\$1,345.05 Product Details	\$683.55 Product Details	\$890.96 Product Details	\$2,251.31 Product Details	\$3,254.58 Product Details
UPGRADE OPTIONS (to be ordered										
Chassis - Desktop Chassis - Small Form Factor (SFF)							Small Form Factor (SFF)	Small Form Factor (SFF)		
Chassis - Ultra Small Form Factor (USFF) Chassis - Micro Form Factor (MFF)							Ultra Small Form Factor (USFF) Micro Form Factor (MFF)	Ultra Small Form Factor (USFF) Micro Form Factor (MFF)		
Chassis - 27 Inch Touchscreen All-in-One Operating System - Windows 10IoT					27 inch Touchscreen All-in-One	27 inch Touchscreen All-in-One		,		
Operating System - Windows 10101 Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC										
RAM - 16GB non-ECC RAM - 32GB non-ECC					16GB non-ECC 32GB non-ECC	32GB non-ECC	16GB non-ECC 32GB non-ECC	32GB non-ECC		
RAM - 64GB non-ECC RAM - 32GB ECC					64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC	32GB ECC	
RAM - 64GB ECC RAM - 128GB ECC									64GB ECC 128GB ECC	64GB ECC 128GB ECC
RAM - 256GB ECC									256GB ECC	256GB ECC
Flash Drive - 64GB Flash Drive - 128GB										
Flash Drive - 256GB Flash Drive - 512GB										
Hard Drive - 1TB SATA non-OPAL							1TB SATA non-OPAL	1TB SATA non-OPAL	1TB SATA non-OPAL	
Hard Drive - 2TB SATA non-OPAL Solid State Drive - 64GB eMMC non-OPAL							2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL
Solid State Drive - 64GB PCIe non-OPAL Solid State Drive - 128GB PCIe non-OPAL										
Solid State Drive - 256GB SATA non-OPAL Solid State Drive - 256GB PCIe non-OPAL					256GB PCIe non-OPAL		256GB PCIe non-OPAL			
Solid State Drive - 512GB SATA non-OPAL										
Solid State Drive - 512GB PCIe non-OPAL Solid State Drive - 1TB SATA non-OPAL					512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive - 1TB PCIe non-OPAL Solid State Drive - 2TB SATA non-OPAL					1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL	
Solid State Drive - 2TB PCIe non-OPAL					2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB SATA non-OPAL 2nd Solid State Drive - 2TB PCIe non-OPAL									2TB PCIe non-OPAL	2TB PCIe non-OPAL
Removable Storage - 8x DVD+/-RW Graphics - AMD or nVidia w/2GB Discrete					8x DVD+/-RW	8x DVD+/-RW	8x DVD+/-RW AMD Radeon 550 w/2GB	8x DVD+/-RW	16x DVD+/-RW	16x DVD+/-RW
Graphics - AMD or nVidia w/4GB Discrete					nVidia GeForce GTX 1650 w/4GB		AMD Radeon RX 640 w/4GB	AMD Radeon RX 640 w/4GB	AMD Radeon Pro WX 3200 w/4GB	
Graphics - AMD or nVidia w/6GB Discrete							nVidia GeForce GTX 1660 w/6GB	nVidia GeForce GTX 1660 w/6GB		
Graphics - AMD or nVidia w/8GB Discrete							nVidia GeForce RTX 3070 w/8GB	nVidia GeForce RTX 3070 w/8GB	AMD Radeon Pro W5500 w/8GB	AMD Radeon Pro W5500 w/8GB
Webcam - IR										
Security - 3 Yr. Absolute Resilience Security - 4 Yr. Absolute Resilience					3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience	3 Yr. Absolute Resilience 4 Yr. Absolute Resilience
Security - 5 Yr. Absolute Resilience					5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite	5 Yr. Absolute Resilience 1 Additional Yr. NBD Onsite
Warranty - 1 Additional Year					(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)
Warranty - 2 Additional Years Warranty - 3 Additional Years										
ACCESSORY OPTIONS (ordered at Video Adapter - DisplayPort to VGA	initial purchase or at a la	ter time)			DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA	DisplayPort to VGA
Video Adapter - DisplayFort to VGA Video Adapter - DisplayPort to HDMI					DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI	DisplayPort to HDMI
Video Adapter - DisplayPort to Dual DisplayPort					DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort		
Video Adapter - HDMI to VGA Video Adapter - HDMI to DisplayPort					HDMI to VGA HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort	HDMI to VGA HDMI to DisplayPort
Removable Storage - USB 8x DVD+/-RW					USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW	USB 8x DVD+/-RW
Lock Kit Mounting Bracket					Articulating Stand	Articulating Stand	OptiPlex MFF VESA Mount	OptiPlex MFF VESA Mount		
Mounting Bracket Mounting Bracket					Height Adjustable Stand	Height Adjustable Stand	OptiPlex MFF Dual VESA Mount	OptiPlex MFF Dual VESA Mount		

HP DESKTOPS

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	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE
	CHROMEBOX	CHROMEBOX	THIN CLIENT	THIN CLIENT	ALL-IN-ONE	ALL-IN-ONE	COMPUTER	COMPUTER	WORKSTATION	WORKSTATION
Golden Star		OTINOMILBOX							WORKSTATION	WORKSTATION
Technology MA-IS-2140399										
Model	No Offering	No Offering	T640 Thin Client	T740 Thin Client	EliteOne 800 G6 AIO	EliteOne 800 G6 AIO	ProDesk 600 G6	ProDesk 600 G6	Z6 G4	Z6 G4
Cost	No Offering	No Offering	\$424.00	\$530.00	\$931.00	\$1,680.00	\$648.00	\$850.00	\$1,963.00	\$2,955.00
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Model /Chassis Type			Brick	Brick	Integrated w/Monitor	Integrated w/Monitor	Mini Tower	Mini Tower	Tower	Tower
Display Size					23.8 Inch Touchscreen	23.8 Inch FHD Touchscreen				
Processor			AMD Ryzen R1505G 2.4GHz, 4M, 2 Core, 4 Thread	AMD Ryzen V1756B 3.25GHz, 4M, 4 Core, 8 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Core i5 10600 3.30GHz, 12M, 6 Core, 12 Thread	Intel Core i7 10700 2.90GHz, 16M, 8 Core, 16 Thread	Intel Xeon 4210R 2.40GHz, 14M, 10 Core, 20 Thread	Intel Xeon 4216 2.10GHz, 22M, 16 Core, 32 Thread
BIOS Configuration			Boot to Flash	Boot to Flash	Boot to Hard Drive	Boot to Hard Drive	Boot to Hard Drive			
Operating System			HP Thin Pro OS	HP Thin Pro OS	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit			
RAM			8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 ECC	32GB DDR4 ECC
Hard Disk			32GB Flash	64GB Flash	128GB PCIe non-OPAL	256GB PCIe non-OPAL	128GB PCIe non-OPAL	256GB PCIe non-OPAL	512GB PCIe non-OPAL	1TB PCIe non-OPAL
Removable Storage										
Video Graphics			AMD Radeon Vega 3	AMD Radeon Vega 8	Intel UHD Graphics 630	nVidia GeForce RTX 2070 w/8GB	Intel UHD Graphics 630	AMD Radeon R7 430 w/2GB	nVidia Quadro P400 w/2GB	AMD Radeon Pro WX 5500 w/8GB
Web Camera Sound			High Definition Audio	High Definition Audio	Front Bang & Olufsen HD Audio	Front Bang & Olufsen HD Audio	High Definition Audio	High Definition Audio	High Definition Audio	High Definition Audio
Network Interface			Realtek Gigabit LAN 10/100/1000	Realtek Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000	Intel I219-LM Gigabit LAN 10/100/1000
Wireless Interface			Realtek 802.11 AX / WiFi 6	Realtek 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6	Intel AX201 802.11 AX / WiFi 6
Bluetooth Interface			5.2	5.2	5	5	5	5	5	5
VDI Protocols			PCoIP, Blast, RDP, HDX, RemoteX	PCoIP, Blast, RDP, HDX, RemoteX						
Security					Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro	Intel vPro
EnergyStar Level			7	7	7	7	6	6	6	6
ePEAT Level Mouse			Silver USB 2-Button Optical w/Scroll	Silver USB 2-Button Optical w/Scroll	Gold USB 2-Button Optical w/Scroll	Gold USB 2-Button Optical w/Scroll	Gold USB 2-Button Optical w/Scroll	Gold USB 2-Button Optical w/Scroll	Gold USB 2-Button Optical w/Scroll	Gold USB 2-Button Optical w/Scroll
Keyboard			Standard Kevboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard	Standard Keyboard
•			,		4 Year NBD Onsite	4 Year NBD Onsite	4 Year NBD Onsite			
Warranty			3 Year NBD Advance Exchange	3 Year NBD Advance Exchange	(Keep Your Hard Drive)	(Keep Your Hard Drive)	(Keep Your Hard Drive)			
RAM Maximum			32GB non-ECC	32GB non-ECC	32GB non-ECC	32GB non-ECC	128GB non-ECC	128GB non-ECC	384GB ECC	384GB ECC
USB Ports - Front (2.0 / 3.0 / C)			3.1 (2) / C (1)	3.1 (2) / C (1)	3.1 (1) / C (1)	3.1 (1) / C (1)	2.0 (2) / 3.1 (2) / C (1)	2.0 (2) / 3.1 (2) / C (1)	3.1 (4)	3.1 (4)
USB Ports - Rear (2.0 / 3.0 / C)			2.0 (2) / 3.1 (2) 3840 x 2160	2.0 (2) / 3.1 (2)	3.1 (2)	3.1 (2)	2.0 (2) / 3.1 (4) 3840 x 2140	2.0 (2) / 3.1 (4) 3840 x 2140	3.1 (6) 3840 x 2140	3.1 (6) 3840 x 2140
Maximum Support Video Resolution VGA Out			3840 X 2160	3840 x 2160	1920 x 1080 1	1920 x 1080 1	3840 X 2140	3840 X 2140	3840 X 2140	3840 X 2140
HDMI Out					1	1				
DisplayPort Out			3	4	1	1	2	2	4 mini	4 mini
Stereo line-in Connection			1	1	1	1	1	1	1	1
Microphone-in Connection			1	1	1	1	1	1	1	1
Speakers/line-out Connection			1	1	11	1	1	1	1	1
Active/Operating (Watts)			16.57	16.57	14.68	14.68	13.59	13.59	100	100
Power Save/Sleep Mode (Watts)			1.47	1.47	0.78	0.78	1.32	1.32	20 Nat Ausilable	
Acoustics (max. dB) Dimensions (inches W x D x H)			2.7 1.96 x 8.26 x 8.26	2.7 1.96 x 8.26 x 8.26	43 21.2 x 7.5 x 16.5	43 21.2 x 7.5 x 16.5	29 6.69 x 10.79 x 13.3	29 6.69 x 10.79 x 13.3	Not Available 6.65 x 18.3 x 17.5	Not Available 6.65 x 18.3 x 17.5
Weight (.lbs.)			1.96 X 8.26 X 8.26 2.92	1.96 X 8.26 X 8.26 2.92	21.2 X 7.5 X 16.5 18.25	21.2 X 7.5 X 16.5 18.25	6.69 X 10.79 X 13.3 15.77	6.69 X 10.79 X 13.3 15.77	6.65 X 18.3 X 17.5 30.1	6.65 X 18.3 X 17.5 30.1
Chassis Lock & Cable Loop			Yes	Yes	Chassis Lock Only	Chassis Lock Only	Yes	Yes	Yes	Yes
Chassis LUCK & Cable LUCh			Tes	1 85	CHASSIS LUCK UTILY	CHASSIS LOCK UTILY	Tes	res	Tes	162

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	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS COMPUTER	PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
Golden Star	OIIICOMEDOX	OTINOMEDOX			ALL-IN-ONE	ALL-IN-ONE			MONING TATION	WORKOTATION
Technology									The second se	
MA-IS-2140399										
Model	No Offering	No Offering	T640 Thin Client	T740 Thin Client	EliteOne 800 G6 AIO	EliteOne 800 G6 AIO	ProDesk 600 G6	ProDesk 600 G6	Z6 G4	Z6 G4
Cost	No Offering	No Offering	\$424.00	\$530.00	\$931.00	\$1,680.00	\$648.00	\$850.00	\$1,963.00	\$2,955.00
Features UPGRADE OPTIONS (to be ordered	Product Details at initial purchase)	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Chassis - Desktop Chassis - Small Form Factor (SFF)	• •						Small Form Factor (SFF)	Small Form Factor (SFF)		
Chassis - Ultra Small Form Factor (USFF)							Ultra Small Form Factor (USFF)	Ultra Small Form Factor (USFF)		
Chassis - Micro Form Factor (MFF) Chassis - 27 Inch Touchscreen All-in-One					27 Inch Touchscreen All-in-One					
Operating System - Windows 10IoT			Windows 10 IoT Ent. LTSC 2019	Windows 10 IoT Ent. LTSC 2019						
Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC			1000 500		1000 500		1000 500			
RAM - 16GB non-ECC RAM - 32GB non-ECC			16GB non-ECC 32GB non-ECC	32GB non-ECC	16GB non-ECC 32GB non-ECC	32GB non-ECC	16GB non-ECC 32GB non-ECC	32GB non-ECC		
RAM - 64GB non-ECC RAM - 32GB ECC							64GB non-ECC	64GB non-ECC	32GB ECC	
RAM - 64GB ECC									64GB ECC	64GB ECC
RAM - 128GB ECC RAM - 256GB ECC									128GB ECC 256GB ECC / Chassis Upgrade	128GB ECC 256GB ECC / Chassis Upgrade
Flash Drive - 64GB			64GB	10000						
Flash Drive - 128GB Flash Drive - 256GB			128GB 256GB	128GB 256GB						
Flash Drive - 512GB Hard Drive - 1TB SATA non-OPAL			512GB	512GB			1 TB SATA non-OPAL	1 TB SATA non-OPAL	1 TB SATA non-OPAL	
Hard Drive - 2TB SATA non-OPAL							2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL	2TB SATA non-OPAL
Solid State Drive - 64GB eMMC non-OPAL Solid State Drive - 64GB PCIe non-OPAL										
Solid State Drive - 128GB PCIe non-OPAL Solid State Drive - 256GB SATA non-OPAL										
Solid State Drive - 256GB PCIe non-OPAL					256GB PCIe non-OPAL		256GB PCIe non-OPAL			
Solid State Drive - 512GB SATA non-OPAL Solid State Drive - 512GB PCIe non-OPAL					512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB PCIe non-OPAL		
Solid State Drive - 1TB SATA non-OPAL Solid State Drive - 1TB PCIe non-OPAL					1TB PCIe non-OPAL					
Solid State Drive - 2TB SATA non-OPAL										
Solid State Drive - 2TB PCIe non-OPAL 2nd Solid State Drive - 2TB SATA non-OPAL					2TB PCIe non-OPAL	2TB PCIe non-OPAL				
2nd Solid State Drive - 2TB PCIe non-OPAL Removable Storage - 8x DVD+/-RW									2TB PCIe non-OPAL	2TB PCIe non-OPAL
Graphics - AMD or nVidia w/2GB Discrete				AMD Radeon E9173 w/2GB			AMD Radeon R7 430 w/2GB			
Graphics - AMD or nVidia w/4GB Discrete Graphics - AMD or nVidia w/6GB Discrete							AMD Radeon RX 550X w/4GB	AMD Radeon RX 550X w/4GB	nVidia Quadro P2200 w/5GB AMD Radeon Pro WX 5500 w/8GB	AMD Radeon Pro WX 7100 w/8GB
Graphics - AMD or nVidia w/8GB Discrete					nVidia GeForce RTX 2070 w/8GB Dual IR	Dual IR	nVidia GeForce RTX 2070 w/8GB	nVidia GeForce RTX 2070 w/8GB	nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB
Webcam - IR Security - 3 Yr. Absolute Resilience			3 Yr. Absolute Resilience	3 Yr. Absolute Resilience						
Security - 4 Yr. Absolute Resilience Security - 5 Yr. Absolute Resilience			4 Yr. Absolute Resilience 5 Yr. Absolute Resilience	4 Yr. Absolute Resilience 5 Yr. Absolute Resilience						
Warranty - 1 Additional Year			1 Additional Yr. NBD Adv. Exchange	1 Additional Yr. NBD Adv. Exchange	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)
Warranty - 2 Additional Years			2 Additional Yrs. NBD Adv. Exchange	2 Additional Yrs. NBD Adv. Exchange	, , , , , , , , , , , , , , , , , , , ,			, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , , ,
Warranty - 3 Additional Years		tox timo)								
ACCESSORY OPTIONS (ordered a Video Adapter - DisplayPort to VGA	. miliai purchase or at a la		DisplayPort to VGA	DisplayPort to VGA						
Video Adapter - DisplayPort to HDMI			DisplayPort to HDMI	DisplayPort to HDMI						
Video Adapter - DisplayPort to Dual DisplayPort Video Adapter - HDMI to VGA										
Video Adapter - HDMI to DisplayPort										
Removable Storage - USB 8x DVD+/-RW Lock Kit			USB 8x DVD+/-RW Master Key Lock w/Cable	USB 8x DVD+/-RW Master Key Lock w/Cable	USB 8x DVD+/-RW Single Key Lock w/Cable	USB 8x DVD+/-RW Single Key Lock w/Cable	USB 8x DVD+/-RW Master Key Lock w/Cable	USB 8x DVD+/-RW Master Key Lock w/Cable	USB 8x DVD+/-RW Single Key Lock w/Cable	USB 8x DVD+/-RW Master Key Lock w/Cable
Mounting Bracket			Quick Release Bracket	Quick Release Bracket	EliteOne 800 G3 AlO Reclining Stand		Quick Release Bracket	DM Chassis Tower Stand		
Mounting Bracket Mounting Bracket										
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LENOVO DESKTOPS

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	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE
	CHROMEBOX	CHROMEBOX	THIN CLIENT	THIN CLIENT	ALL-IN-ONE	ALL-IN-ONE	COMPUTER	COMPUTER	WORKSTATION	WORKSTATION
Technology	CHROWEBOX	CHROMEBOA			ALL-IN-ONE	ALL-IN-ONE	COMPUTER	COMPUTER	WORKSTATION	WORKSTATION
Integration Group										
MA-IS-2140400									a serioro	a renovo
IMA-15-2140400										
					- Jackers	subst			TenCatin	hadata
Model	No Offering	No Offering	No Offering	No Offering	ThinkCentre M90A AIO	ThinkCentre M90A AIO	ThinkCentre M80T	ThinkCentre M80T	ThinkStation P720	ThinkStation P720
Cost Features	No Offering Product Details	No Offering Product Details	No Offering Product Details	No Offering Product Details	\$931.15 Product Details	\$1,159.94 Product Details	\$712.99 Product Details	\$925.83 Product Details	\$1,963.39 Product Details	\$2,765.78 Product Details
Model /Chassis Type	Floduct Details	Floduct Details	Floduct Details		Integrated w/Monitor	Integrated w/Monitor	Mini Tower	Mini Tower	Tower	Tower
Display Size					23.8 Inch Touchscreen	23.8 Inch Touchscreen				
					Intel Core i5 10600	Intel Core i7 10700	Intel Core i5 10600	Intel Core i7 10700	Intel Xeon 4210R	Intel Xeon 4216
Processor					3.30GHz, 12M, 6 Core, 12 Thread	2.90GHz, 16M, 8 Core, 16 Thread	3.30GHz, 12M, 6 Core, 12 Thread	2.90GHz, 16M, 8 Core, 16 Thread		2.10GHz, 22M, 16 Core, 32 Thread
BIOS Configuration					Boot to Hard Drive					
Operating System					Windows 10 Pro 64Bit					
RAM					8GB DDR4 non-ECC	16GB DDR4 non-ECC	8GB DDR4 non-ECC	16GB DDR4 non-ECC	16GB DDR4 ECC	32GB DDR4 ECC
Hard Disk Removable Storage					128GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL	128GB SSD SATA non-OPAL	256GB SSD SATA non-OPAL	512GB SSD SATA non-OPAL	1TB SSD SATA non-OPAL
Video Graphics					Intel HD Graphics	AMD Radeon 625 w/2GB	Intel HD Graphics	AMD Radeon 520 w/2GB	nVidia Quadro P620 w/2GB	nVidia Quadro P1000 w/4GB
Web Camera					Front	Front				
Sound					High Definition Audio					
Network Interface					Intel Gigabit LAN 10/100/1000					
Wireless Interface Bluetooth Interface					Intel 802.11 AC 5	Intel 802.11 AC	Intel 802.11 AC 5	Intel 802.11 AC	Intel 802.11 AC 5	Intel 802.11 AC 5
VDI Protocols					6	5	5	5	5	5
Security					Intel vPro					
EnergyStar Level					8	8	8	8	6.1	6.1
ePEAT Level					Silver	Silver	Silver	Silver	Bronze	Bronze
Mouse Keyboard					USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Kevboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Keyboard	USB 2-Button Optical w/Scroll Standard Kevboard	USB 2-Button Optical w/Scroll Standard Keyboard
					4 Year NBD Onsite					
Warranty					(Keep Your Hard Drive)					
RAM Maximum					64GB non-ECC	64GB non-ECC	128GB non-ECC	128GB non-ECC	768GB ECC	768GB ECC
USB Ports - Front (2.0 / 3.0 / C) USB Ports - Rear (2.0 / 3.0 / C)					3.2 (2) / C (1) 3.2 (4)	3.1 (4) 2.0 (2) / 3.1 (4)	3.1 (4) 2.0 (2) / 3.1 (4)			
Maximum Support Video Resolution					4096 x 2304	4096 x 2304	4096 x 2304	4096 x 2304	7680 x 4320	7680 x 4320
VGA Out										
HDMI Out							1	1		
DisplayPort Out					1	1	2	2	4 mini	4 mini
Stereo line-in Connection					1	1	1	1	1	1
Microphone-in Connection Speakers/line-out Connection					1	1	1	1	1	1
Active/Operating (Watts)					150	150	180	180	690	690
Power Save/Sleep Mode (Watts)					16.5	16.5	27	27	55.2	55.2
Acoustics (max. dB)					20	23	26	26	31	31
Dimensions (inches W x D x H)					21.3 x 7.9 x 16.3	21.3 x 7.9 x 16.3	5.7 x 11.7 x 13.6	5.7 x 11.7 x 13.6	6.89 x 19.1 x 17.6	6.89 x 19.1 x 17.6
Weight (.lbs.)					17.3	17.3	10.6	10.6	52.25	52.25
Chassis Lock & Cable Loop					Yes	Yes	Yes	Yes	Yes	Yes

LENOVO DESKTOPS

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	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3	CONFIGURATION 4	CONFIGURATION 5	CONFIGURATION 6	CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE
Technology	CHROMEBOX	CHROMEBOX	THIN CLIENT	THIN CLIENT	ALL-IN-ONE	ALL-IN-ONE	COMPUTER	COMPUTER	WORKSTATION	WORKSTATION
Technology								• •		
Integration Group										
MA-IS-2140400									a country of	a Feboro
IVIA-13-2140400										
									Decision of the second s	Diffe
Model	No Offering	No Offering	No Offering	No Offering	ThinkCentre M90A AIO	ThinkCentre M90A AIO	ThinkCentre M80T	ThinkCentre M80T	ThinkStation P720	ThinkStation P720
Cost		No Offering	No Offering	No Offering	\$931.15	\$1,159.94	\$712.99	\$925.83	\$1,963.39	\$2,765.78
Features UPGRADE OPTIONS (to be ordered	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
Chassis - Desktop	a at initial purchase)						Desktop	Desktop		
Chassis - Small Form Factor (SFF)							Small Form Factor (SFF)	Small Form Factor (SFF)		
Chassis - Ultra Small Form Factor (USFF) Chassis - Micro Form Factor (MFF)							Miero Form Factor (MEE)	Miero Form Factor (MEE)		
Chassis - Micro Form Factor (MFF) Chassis - 27 Inch Touchscreen All-in-One							Micro Form Factor (MFF)	Micro Form Factor (MFF)		
Operating System - Windows 10IoT										
Operating System - Chrome Enterprise Management										
RAM - 8GB non-ECC										
RAM - 16GB non-ECC RAM - 32GB non-ECC					16GB non-ECC 32GB non-ECC	32GB non-ECC	16GB non-ECC 32GB non-ECC	32GB non-ECC		
RAM - 64GB non-ECC					64GB non-ECC	64GB non-ECC	64GB non-ECC	64GB non-ECC		
RAM - 32GB ECC RAM - 64GB ECC									32GB ECC	
RAM - 64GB ECC RAM - 128GB ECC									64GB ECC 128GB ECC	64GB ECC 128GB ECC
RAM - 256GB ECC									256GB ECC	256GB ECC
Flash Drive - 64GB Flash Drive - 128GB										
Flash Drive - 126GB Flash Drive - 256GB										
Flash Drive - 512GB										
Hard Drive - 1TB SATA non-OPAL Hard Drive - 2TB SATA non-OPAL					2TB SATA non-OPAL	2TB SATA non-OPAL	1TB SATA non-OPAL 2TB SATA non-OPAL	1TB SATA non-OPAL 2TB SATA non-OPAL		
Solid State Drive - 64GB eMMC non-OPAL										
Solid State Drive - 64GB PCIe non-OPAL Solid State Drive - 128GB PCIe non-OPAL					128GB PCIe non-OPAL		128GB PCIe non-OPAL			
Solid State Drive - 256GB SATA non-OPAL					256GB SATA non-OPAL		256GB SATA non-OPAL			
Solid State Drive - 256GB PCIe non-OPAL Solid State Drive - 512GB SATA non-OPAL					256GB PCIe non-OPAL 512GB SATA non-OPAL					
Solid State Drive - 512GB SATA Hon-OPAL					512GB SATA Hol-OPAL 512GB PCIe non-OPAL	512GB SATA Hol-OPAL 512GB PCIe non-OPAL	512GB PCIe non-OPAL	512GB SATA NOI-OPAL 512GB PCIe non-OPAL	512GB PCIe non-OPAL	
Solid State Drive - 1TB SATA non-OPAL					1TB SATA non-OPAL					
Solid State Drive - 1TB PCIe non-OPAL Solid State Drive - 2TB SATA non-OPAL					1TB PCIe non-OPAL	1TB PCIe non-OPAL	1TB PCIe non-OPAL 2TB SATA non-OPAL	1TB PCIe non-OPAL 2TB SATA non-OPAL	1TB PCIe non-OPAL 2TB SATA non-OPAL	1TB PCIe non-OPAL 2TB SATA non-OPAL
Solid State Drive - 2TB PCIe non-OPAL							2TB PCle non-OPAL	2TB PCle non-OPAL	2TB PCIe non-OPAL	2TB PCIe non-OPAL
2nd Solid State Drive - 2TB SATA non-OPAL 2nd Solid State Drive - 2TB PCIe non-OPAL									2TB SATA non-OPAL 2TB PCIe non-OPAL	2TB SATA non-OPAL 2TB PCIe non-OPAL
Removable Storage - 8x DVD+/-RW					8x DVD+/-RW	8x DVD+/-RW				
Graphics - AMD or nVidia w/2GB Discrete					AMD Radeon 625 w/2GB		AMD Radeon 520 w/2GB			
Graphics - AMD or nVidia w/4GB Discrete Graphics - AMD or nVidia w/6GB Discrete							AMD Radeon RX 550X w/4GB	AMD Radeon RX 550X w/4GB	nVidia Quadro P1000 w/4GB nVidia Quadro P2200 w/5GB	nVidia Quadro P2200 w/5GB
Graphics - AMD or nVidia w/8GB Discrete									nVidia Quadro RTX 4000 w/8GB	nVidia Quadro RTX 4000 w/8GB
Webcam - IR Security - 3 Yr. Absolute Resilience					IR 3 Yr. Absolute Resilience	IR 3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience	3 Yr. Absolute Resilience
Security - 4 Yr. Absolute Resilience					4 Yr. Absolute Resilience	4 Yr. Absolute Resilience				
Security - 5 Yr. Absolute Resilience					5 Yr. Absolute Resilience	5 Yr. Absolute Resilience				
Warranty - 1 Additional Year					1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)	1 Additional Yr. NBD Onsite (Keep Your Hard Drive)
Warranty - 2 Additional Years					2 Additional Yrs. NBD Onsite	2 Additional Yrs. NBD Onsite				
					(Keep Your Hard Drive) 3 Additional Yrs. NBD Onsite	(Keep Your Hard Drive) 3 Additional Yrs. NBD Onsite	(Keep Your Hard Drive) 3 Additional Yrs. NBD Onsite	(Keep Your Hard Drive) 3 Additional Yrs. NBD Onsite	(Keep Your Hard Drive) 3 Additional Yrs. NBD Onsite	(Keep Your Hard Drive) 3 Additional Yrs. NBD Onsite
Warranty - 3 Additional Years		(on (inco)			(Keep Your Hard Drive)	(Keep Your Hard Drive)				
ACCESSORY OPTIONS (ordered at Video Adapter - DisplayPort to VGA	initial purchase or at a la	(er time)			DisplayPort to VGA	DisplayPort to VGA				
Video Adapter - DisplayPort to VGA					DisplayPort to HDMI	DisplayPort to HDMI				
Video Adapter - DisplayPort to Dual DisplayPort					DisplayPort to Dual DisplayPort	DisplayPort to Dual DisplayPort				
Video Adapter - HDMI to VGA							HDMI to VGA	HDMI to VGA		· •
Video Adapter - HDMI to DisplayPort										
Removable Storage - USB 8x DVD+/-RW Lock Kit					Lock Kit	Lock Kit				
Mounting Bracket					Wall Mount Kit	Wall Mount Kit	Wall Mount Kit	Wall Mount Kit		LOOKTIK
Mounting Bracket					Adjustable Height Arm	Adjustable Height Arm				
Mounting Bracket										

MICROSOFT DESKTOPS

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CHROMEBOX CHROMEBOX THIN CLIENT THIN CLIENT ALL-IN-ONE ALL-IN-ONE COMPUTER MA-IS-2140401 No Offering No Offerin		BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE	BUSINESS	Р
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MA-IS-2140401 With Comparing the Offering No	Zones LLC						The second s		
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Fatures Product Details Depiny Soc Depiny Soc Note Note <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td></t<>									_
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Daple SigChapter SigSet of the set of the		Product Details		Product Details					
Notation Intel Contr 772010 Intel Contr 77201							Integrated W/Monitor		
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BOS Conjunion Bott shurd Drive Bott shurd Drive <td>Processor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Processor								
RAM Interpretation Interpretation </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Boot to Hard Drive</td> <td></td> <td></td>							Boot to Hard Drive		
Hard Diak Renvoxide StorageIn the Clean or PAL and the StorageIn the Storage </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Removable Storage Image: Sto									
Nde Graphics Nde Gebrace GTX 1080 wBGB Nde Gebrace GTX							1 TB PCIe non-OPAL		
Web Camera Mode Front IR Front IR Burd Image Definition Audio Image Definition Audio Image Definition Audio Watcox Interface Image Definition Audio Image Definition Audio Image Definition Audio Watcox Interface Image Definition Audio Image Definition Audio Image Definition Audio Watcox Interface Image Definition Audio Image Definition Audio Image Definition Audio Watcox Interface Image Definition Audio Image Definion Audio Image Definition Audio	Removable Storage								
Sound Implementation Implementation </td <td>Video Graphics</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>nVidia GeForce GTX 1060 w/6GB</td> <td></td> <td></td>	Video Graphics						nVidia GeForce GTX 1060 w/6GB		
Network Interface Gigabit LAN 10/100/1000 Gigabit LAN 10/100/1000 Security Buetooh Interface A<	Web Camera						Front IR		
Wireles Solution Beach Interface Interfa									
Bueloodh Interface Addition Addition <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
VDI Protocols Security							4		
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EnergyStar Level Modes 7.1 Modes 604 oPEAT Level Gold Gold<									
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Mouse Bluetooth 2-Button Optical w/Scrol Bluetooth Keyboard Keyboard Image: Stream (2,0,3,0,7) Image: Stream (2,0,3,7) Image: Stream (2,0,3,7) Image: Stream (2,0,3,7) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Keyboard Bluetooth Keyboard Bluetooth Keyboard Warranty 3 Year Advanced Replacement 3 Year Advanced Replacement 3 ZGB non-ECC USB Ports - Front (2.0 / 3.0 / C) 0 0 3 ZGB non-ECC 0 USB Ports - Front (2.0 / 3.0 / C) 0 0 0 0 0 Maximum Support Vide Resolution 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Bluetooth 2-Button Optical w/Scroll</td> <td></td> <td></td>							Bluetooth 2-Button Optical w/Scroll		
Warranty 3 Year Advanced Replacement 3 Year Advanced R									
USB Ports - Front (2.0 / 3.0 / C)Image: Second	Warranty								-
USB Ports - Rear (2.0 / 3.0 / C)and<							32GB non-ECC		1777
Maximum Support Video Resolution40096 x 230440096 x 23044000 m4000 m<									
VGA OutImage: Select on the selec									
HDM OutImage: Sevential seventi							4096 x 2304		
DisplayPort OutImage: Series line-in ConnectionImage: Series line-in Connection<									
Stereo line-in Connection Image: Stereo line-in Connection Image: Stereo line-in Connection Speaker,Sline-out Connection Image: Stereo line-in Connection Image: Stereo line-in Connection Speaker,Sline-out Connection Image: Stereo line-in Connection Image: Stereo line-in Connection Active/Operating (Watts) Image: Stereo line-in Connection Image: Stereo line-in Connection Power Save/Sleep Mode (Watts) Image: Stereo line-in Connection Image: Stereo line-in Connection Acoustics (max. dB) Image: Stereo line-in Connection Image: Stereo line-in Connection Dimensions (inches W x D x H) Image: Stereo line-in Connection Image: Stereo line-in Connection Weight (.lbs.) Image: Stereo line-in Connection Image: Stereo line-in Connection Image: Stereo line-in Connection									
Microphone-in Connection Speakers/line-out Connection 1 1 Speakers/line-out Connection 1 1 1 Active/Operating (Watts) 6 6 44.5 6 Power Save/Sleep Mode (Watts) 6 6 44.5 6 Acoustics (max. dB) 6 6 35 6 Dimensions (inches W x D x H) 6 25.1 x 1.3 x 17.3 6 Weight (.lbs.) 6 6 21 6									
Speakers/line-out Connection 1 Active/Operating (Watts)									
Active/Operating (Watts) 44.5 Power Save/Sleep Mode (Watts) 4.1 Acoustics (max. dB) 35 Dimensions (inches W x D x H) 25.1 x 1.3 x 17.3 Weight (.lbs.) 20 20 20							1		
Power Save/Sleep Mode (Watts) 4.1 Acoustics (max. dB) 35 Dimensions (inches W x D x H) 25.1 x 1.3 x 17.3 Weight (.lbs.) 21									
Acoustics (max. dB) 35 Dimensions (inches W x D x H) 25.1 x 1.3 x 17.3 Weight (.lbs.) 21							-		
Dimensions (inches W x D x H) 25.1 x 1.3 x 17.3 Weight (.lbs.) 21									
									W
Chassis Lock & Cable Loop							21		
	Chassis Lock & Cable Loop								

ONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
PERFORMANCE COMPUTER	BUSINESS WORKSTATION	PERFORMANCE WORKSTATION
No Offering	No Offering	No Offering
No Offering Product Details	No Offering Product Details	No Offering Product Details

MICROSOFT DESKTOPS

	CONFIGURATION 1	CONFIGURATION 2	CONFIGURATION 3		CONFIGURATION 5		CONFIGURATION 7	CONFIGURATION 8	CONFIGURATION 9	CONFIGURATION 10
	BUSINESS CHROMEBOX	PERFORMANCE CHROMEBOX	BUSINESS THIN CLIENT	PERFORMANCE THIN CLIENT	BUSINESS ALL-IN-ONE	PERFORMANCE ALL-IN-ONE	BUSINESS	PERFORMANCE	BUSINESS	PERFORMANCE WORKSTATION
Zanas II C	CHROMEBOX	CHROMEBOX			ALL-IN-UNE	ALL-IN-ONE	COMPUTER	COMPUTER	WORKSTATION	WURKSTATION
Zones LLC										
MA-IS-2140401										
Madal	No Offering		No Offician	No Offering	No Offician	Surface Studie 2	No Offering		No Offering	No Offering
Model Cost	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering	No Offering No Offering	Surface Studio 2 \$3,526.61	No Offering No Offering	No Offering No Offering	No Offering No Offering	No Offering No Offering
Features	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details	Product Details
UPGRADE OPTIONS (to be ordered Chassis - Desktop	at initial purchase)									
Chassis - Small Form Factor (SFF) Chassis - Ultra Small Form Factor (USFF)										
Chassis - Micro Form Factor (MFF) Chassis - 27 Inch Touchscreen All-in-One										
Operating System - Windows 10IoT										
Operating System - Chrome Enterprise Management RAM - 8GB non-ECC										
RAM - 16GB non-ECC						2005 500				
RAM - 32GB non-ECC RAM - 64GB non-ECC						32GB non-ECC				
RAM - 32GB ECC RAM - 64GB ECC										
RAM - 128GB ECC RAM - 256GB ECC										
Flash Drive - 64GB Flash Drive - 128GB										
Flash Drive - 256GB Flash Drive - 512GB										
Hard Drive - 1TB SATA non-OPAL										
Hard Drive - 2TB SATA non-OPAL Solid State Drive - 64GB eMMC non-OPAL										
Solid State Drive - 64GB PCIe non-OPAL Solid State Drive - 128GB PCIe non-OPAL										
Solid State Drive - 256GB SATA non-OPAL Solid State Drive - 256GB PCIe non-OPAL										
Solid State Drive - 512GB SATA non-OPAL Solid State Drive - 512GB PCIe non-OPAL										
Solid State Drive - 1TB SATA non-OPAL										
Solid State Drive - 1TB PCIe non-OPAL Solid State Drive - 2TB SATA non-OPAL										
Solid State Drive - 2TB PCIe non-OPAL 2nd Solid State Drive - 2TB SATA non-OPAL						2TB PCIe non-OPAL				
2nd Solid State Drive - 2TB PCIe non-OPAL Removable Storage - 8x DVD+/-RW										
Graphics - AMD or nVidia w/2GB Discrete Graphics - AMD or nVidia w/4GB Discrete										
Graphics - AMD or nVidia w/6GB Discrete Graphics - AMD or nVidia w/8GB Discrete										
Webcam - IR										
Security - 3 Yr. Absolute Resilience Security - 4 Yr. Absolute Resilience										
Security - 5 Yr. Absolute Resilience Warranty - 1 Additional Year										
Warranty - 2 Additional Years Warranty - 3 Additional Years										
ACCESSORY OPTIONS (ordered at	initial purchase or at a la	ter time)								
Video Adapter - DisplayPort to VGA Video Adapter - DisplayPort to HDMI						USB-C to VGA USB-C to HDMI				
Video Adapter - DisplayPort to Dual DisplayPort										
Video Adapter - HDMI to VGA Video Adapter - HDMI to DisplayPort										
Removable Storage - USB 8x DVD+/-RW Lock Kit										
Mounting Bracket Mounting Bracket										
Mounting Bracket										

OPTIONAL SERVICES - DESKTOPS

SERVICE OPTIONS (to	o be ordered at initial purchase)
Optional Service	Specification
Windows AutoPilot	NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for
Registration - 3RD PARTY	Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.
	All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.
	Tasks to be provided prior to shipment of equipment include the following:
	1) Harvest hardware IDs and register them in Microsoft Intune for Windows AutoPilot.
	2) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format.
	3) As directed by department, deliver two (2) devices after hardware ID harvest and registration for verification and acceptance, before proceeding with completing remaining devices.
Windows AutoPilot	NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for
Registration -	Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.
MANUFACTURER	All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.
	Tasks to be provided prior to shipment of equipment include the following:
	1) Harvest hardware IDs and register them in Microsoft Intune for Windows AutoPilot.
	2) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format.
	3) As directed by department, deliver two (2) devices after hardware ID harvest and registration for verification and acceptance, before proceeding with completing remaining devices.
	NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for
	Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.
PARTY	All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.
	Tasks to be provided prior to shipment of equipment include the following:
	1) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format.
	2) ONLY upon notification by department or designated Tennant Group Manager, perform device connection and complete Windows AutoPilot provisioning.
	3) As directed by department, deliver two (2) devices after Windows AutoPilot provisioning for verification and acceptance, before proceeding with completing remaining devices.
	4) At direction of department, provide list of registered hardware IDs with date Windows AutoPilot provisioning completion in .CSV format.
	NOTE: County Microsoft Intune is divided into four (4) Tennant Groups. Tennant A is managed by Internal Services Department and includes all departments except: Sheriff, District Attorney, and Board of Supervisors. Tennant B is managed by and for
	Sheriff. Tennant C is managed by and for District Attorney. Tennant D is managed by and for Board of Supervisors.
MANUFACTURER	All work performed for this service including process and procedures must be previously approved and necessary access granted by the specific Tennant Group Manager.
	Tasks to be provided prior to shipment of equipment include the following:
	1) Provide list of registered hardware IDs to department and designated Tennant Group Manager in .CSV format.
	 2) ONLY upon notification by department or designated Tennant Group Manager, perform device connection and complete Windows AutoPilot provisioning. 3) As directed by department, deliver two (2) devices after Windows AutoPilot provisioning for verification and acceptance, before proceeding with completing remaining devices.
	4) At direction of department, provide list of registered hardware IDs with date Windows AutoPilot provisioning completion in .CSV format.
	Tasks to be provided prior to shipment of equipment include the following:
Tagging - 3RD PARTY	1) Affix asset tag to device as directed and/or provided by the department.
	2) Enter asset tag into system BIOS as directed and/or provided by the department.
	3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department.
	4) Coordinate and oversee purchase deliveries as directed by department.
	Tasks to be provided prior to shipment of equipment include the following:
Tagging -	1) Affix asset tag to device as directed and/or provided by the department.
	2) Enter asset tag into system BIOS as directed and/or provided by the department.
	3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department.
	4) Coordinate and oversee purchase deliveries as directed by department.
	General County weekday peak hours are 9:00am to 3:00pm; Tuesday to Thursday
Ship - 3RD PARTY	All delivery/drop times shall be directed by ordering department.
	Tasks include the following:
	1) Dropship individual devices to specific end-user address as directed by department.
	a) Package must be insured.
	b) Pacakge delivery must require end-user identification and signature or as directed by department.
	i) Anyone at location may sign for device delivery.
	ii) Only specific individual may sign for device delivery.
	c) Proof of delivery (end-user identification/signature) for each dropship device must be provided along with invoice or as directed by department.
	2) Coordinate and oversee each dropship according to department instructions.

OPTIONAL SERVICES - DESKTOPS SERVICE OPTIONS (to be ordered at initial purchase) **Optional Service** Specification Windows AutoPilot Drop General County weekday peak hours are 9:00am to 3:00pm; Tuesday to Thursday Ship - MANUFACTURER All delivery/drop times shall be directed by ordering department. Tasks include the following: 1) Dropship individual devices to specific end-user address as directed by department. a) Package must be insured. b) Pacakge delivery must require end-user identification and signature or as directed by department. i) Anyone at location may sign for device delivery. ii) Only specific individual may sign for device delivery. c) Proof of delivery (end-user identification/signature) for each dropship device must be provided along with invoice or as directed by department. 2) Coordinate and oversee each dropship according to department instructions. Asset Tagging - 3RD Tasks to be provided by 3rd party vendor prior to delivery of equipment include the following: PARTY 1) Affix asset tag to device as directed and/or provided by the department. 2) Enter asset tag into system BIOS as directed and provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. Coordinate and oversee all purchase deliveries to a central department location. Tasks to be provided by manufacturer prior to shipment of equipment include the following: Asset Tagging -MANUFACTURER 1) Affix asset tag to device as directed and/or provided by the department. Enter asset tag into system BIOS as directed and provided by the department. 3) Provide a full inventory report of equipment asset tags, serial numbers, and other identifying information as requested by the department. Coordinate and oversee all purchase deliveries to a central department location. Tasks to be provided by 3rd party prior to delivery of equipment include the following: Imaging - 3RD PARTY 1) Image/install pre-software installation services using a Golden (certified) image/pre-software as provided by the department. a) 3rd Party to provide department an upload link and/or repository for certified image/pre-software. b) At direction of the department, 3rd Party to deliver two (2) devices after imaging to department for verification and acceptance, before proceeding with imaging remaining devices. 2) Coordinate and oversee all purchase deliveries to a central department location. Tasks to be provided by manufacturer prior to shipment of equipment include the following: Imaging -MANUFACTURER 1) Image/install pre-software installation services using a Golden (certified) image/pre-software as provided by the department. a) Manufacturer to provide department an upload link and/or repository for certified image/pre-software. b) At direction of department, Manufacturer to deliver two (2) devices after imaging to department for verification and acceptance, before proceeding with imaging remaining devices 2) Coordinate and oversee all purchase deliveries to a central department location.

	OPTIONAL SERVICES - DESKTOPS
SERVICE OPTIONS (to	b be ordered at initial purchase)
Optional Service	Specification
Delivery w/Unpacking -	General County weekday peak hours are 9am to 3:30pm.
WEEKDAY	All delivery/drop times shall be dictated by ordering department.
	Tasks to include the following:
	1) Deliver and unpack devices (removing all packing materials) to regional locations as directed by the department.
	2) Coordinate and oversee all purchase deliveries to a central department location.
	General County weekend peak hours are 9am to 3:30pm.
WEEKEND	All delivery/drop times shall be dictated by ordering department.
	Tasks to include the following:
	1) Deliver and unpack devices (removing all packing materials) to regional locations as directed by the department.
	2) Coordinate and oversee all purchase deliveries to a central department location.
Staggered Delivery -	General County weekday peak hours are 9am to 3:30pm.
WEEKDAY	All delivery/drop times shall be dictated by ordering department.
	Tasks to include the following: 1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination).
	Department takes title/ownership at F.O.B. Destination.
	2) Coordinate and oversee all purchase deliveries to regional locations as directed by the department.
Staggered Delivery -	General County weekend peak hours are 9am to 3:30pm.
WEEKEND	All delivery/drop times shall be dictated by ordering department.
WEEKEND	Tasks to include the following:
	1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination).
	Department takes title/ownership at F.O.B. Destination.
	2) Coordinate and oversee all purchase deliveries to regional locations as directed by the department.
Staggered Delivery	General County weekday peak hours are 9am to 3:30pm.
w/Unpacking - WEEKDAY	All delivery/drop times shall be dictated by ordering department.
	Tasks to include the following:
	1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination).
	Department takes title/ownership at F.O.B. Destination.
	2) Coordinate and oversee the purchase deliveries and unpacking of devices (removing all packing materials) to regional locations as directed by the department.
	General County weekend peak hours are 9am to 3:30pm.
w/Unpacking - WEEKEND	All delivery/drop times shall be dictated by ordering department.
	Tasks to include the following:
	1) Warehousing of devices up to three (3) months as needed; starts from date goods are warehoused (not from the date of PO) Vendor shall transfer all warranty and title/ownership for devices to the department prior to delivery (F.O.B. Destination).
	Department takes title/ownership at F.O.B. Destination. 2) Coordinate and oversee the purchase deliveries and unpacking of devices (removing all packing materials) to regional locations as directed by the department.

OPTIONAL SERVICES - DESKTOPS	
SERVICE OPTIONS (to be ordered at initial purchase)	
Optional Service	Specification
Install & Relocate -	General County weekday peak hours are 9am to 3:30pm.
	All service times shall be dictated by ordering department.
	Tasks to include the following:
	1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material.
	2) Disconnect and remove existing equipment to a temporary on-site location as directed by department.
	3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department.
	 4) Boot up system and report any Operating System issues to department. 5) Coordinate and oversee all purchases deliveries to a central department location.
	General County weekend peak hours are 9am to 3:30pm. All service times shall be dictated by ordering department.
WEEKEND	Tasks to include the following:
	1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material.
	2) Disconnect and remove existing equipment to a temporary on-site location as directed by department.
	3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department.
	4) Boot up system and report any Operating System issues to department.
	5) Coordinate and oversee all purchase deliveries to a central department location.
Install & Relocate w/Data	General County weekday peak hours are 9am to 3:30pm.
Sanitization - WEEKDAY	All service times shall be dictated by ordering department.
	Tasks to include the following:
	1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material.
	2) Disconnect and remove existing equipment to a temporary on-site location as directed by department.
	A) Sanitize drive(s) according to DoD 5220.22-M standard or NIST SP800-88Rev1 standard and provide the department with a certifying completion. i) Details for Certificate of Sanitization to be determined department and may include the following: Dept./County, Asset # of main device, media type, drive mfg., drive model, drive serial #, sanitization type, sanitization method(s), tool(s) used,
	name of person performing sanitization, position/title of person performing sanitization, date of sanitization, signature of person performing sanitization, verification, name of person performing verification, position/title of person performing sanitization, signature of person performing sanitization method of sanitization, name of person performing verification, position/title of person performing sanitization to be determined department and may include the following.
	performing verification, date of verification, signature of person performing verification.
	3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department.
	4) Boot up system and report any Operating System issues to department.
	5) Coordinate and oversee all purchase deliveries to a central department location.
Install & Relocate w/Data	General County weekend peak hours are 9am to 3:30pm.
Sanitization - WEEKEND	All service times shall be dictated by ordering department.
	Tasks to include the following:
	1) Deliver device to final destination within one (1) facility, as directed by the ordering department and unpack, removing all packing material.
	2) Disconnect and remove existing equipment to a temporary on-site location as directed by department.
	A) Sanitize drive(s) according to DoD 5220.22-M standard or NIST SP800-88Rev1 standard and provide the department with a certifying completion. i) Details for Certificate of Sanitization to be determined department and may include the following: Dept./County, Asset # of main device, media type, drive mfg., drive model, drive serial #, sanitization type, sanitization method(s), tool(s) used,
	name of person performing sanitization, position/title of person performing sanitization, date of sanitization, signature of person performing sanitization, verification, name of person performing verification, position/title of person performing sanitization, signature of person performing sanitization, verification, position/title of person performing sanitization, signature of person performing sanitization method of sanitization, name of person performing verification, position/title of person performing sanitization method of sanitization method of sanitization method of sanitization method of sanitization method sanitization method sanitization method sanitization method of sanitization method sanitization meth
	performing verification, date of verification, signature of person performing verification.
	3) Install device including connection of CPU and peripherals, including but not limited to, system cables, security cables/locking mechanism, mouse, and keyboard or as directed by department.
	4) Boot up system and report any Operating System issues to department.
	5) Coordinate and oversee all purchase deliveries to a central department location.