



ThinkPad P52 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i7 Processor or Intel Xeon® E Processor								Dimensions <i>WxDxH:</i> 14.86" x 9.93" x 0.96-1.16"; 377.4mm x 252.3mm x 24.5-29.4mm <i>WxDxH(Touch):</i> 14.86" x 9.93" x 1.02-1.21"; 377.4mm x 252.3mm x 25.8-30.7mm <i>Non-touch model:</i> starting at 5.4 lb (2.45kg); <i>Multi-touch model:</i> starting at 6.4 lb (2.9kg)
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB	DDR4-2400	Intel UHD Graphics 630	
	i7-8850H			2.6 GHz	4.3 GHz	9MB			
E-2176M	2.7 GHz			4.4 GHz	12MB				
Graphics	Intel UHD Graphics 630 in processor and NVIDIA Quadro® P1000 (4GB memory), P2000 (4GB memory), or P3200 (6GB memory, VR ready); supports external digital monitor via HDMI, Mini DisplayPort, or Thunderbolt™; supports four independent displays; Max resolution: 3840X2160@60Hz (DisplayPort via Mini DisplayPort cable); 5120X2880@30Hz (Thunderbolt); 4096x2160@60Hz (HDMI)								Smart card reader <i>Optional:</i> Smart card reader ExpressCard None Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC), supports UHS-II SD card Ports Three USB 3.1 Gen 1 (one Always On), two USB Type-C / Thunderbolt 3, Mini DisplayPort 1.4, HDMI 2.0, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole
Chipset	Mobile Intel CM246 Chipset								Camera <i>(optional)</i> <i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus
Memory	128GB non-ECC or 64GB ECC max / 2400MHz DDR4 (ECC function supported only on Xeon processor), dual-channel capable, four DDR4 SO-DIMM sockets <i>* Installed DIMMs are actually 2666MHz but run at 2400MHz due to Intel limitation</i>								
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 160° viewing angle <i>Some:</i> 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 400 nits, 16:9 aspect ratio, 1000:1 contrast ratio, 100% gamut, 170° viewing angle, multi-touch								Audio support HD Audio, Realtek® ALC3286 codec, stereo speakers, 2W x 2, Dolby® Audio™ Premium, headphone / microphone combo jack, Dolby Atmos® headphone, dual array microphone
Multi-touch <i>(opt)</i>	Capacitive-type multi-touch, supports 10-finger gesture (4K only)								Keyboard UltraNav™ 6-row, spill-resistant, multimedia Fn keys, numeric keypad, LED backlight 3-button TrackPoint® pointing device and 3-button Mylar surface multi-touch touchpad
Pen	Supports pen accessory, please see the accessory compatibility for details								
Storage	<i>Up to 3 drives (two M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s <i>Some:</i> 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s								Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Discrete TPM 2.0, TCG Certified vPro <i>(optional)</i> Intel vPro Technology Fingerprint reader Touch style match on chip fingerprint reader on the palm rest Color calibration None NFC <i>(optional)</i> Near Field Communication
Optical	None								Battery Li-Ion 90Wh battery Max battery life <i>Discrete mode:</i> 6.1 hr <i>(MobileMark® 2014) Hybrid mode:</i> 8.9 hr AC adapter 170W slim tip AC adapter
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								Preload <i>One of the following, configurable by model:</i> • Windows® 10 Home 64 • Windows 10 Pro 64 • Windows 10 Pro 64 for Workstations
WLAN	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card								Limited warranty <i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
WWAN <i>(optional)</i>	Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card								Mil-Spec test MIL-STD-810G military certification
SIM card <i>(opt)</i>	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Environment EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

Model	Region	Processor	vPro	Memory	Graphics	Chipset	Display	Multi-touch	Pen	Storage	(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20M90017xx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M90019xx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Axx	EAST	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Bxx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Cxx	EAST	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Dxx	EAST	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Exx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Fxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Gxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Jxx	EAST	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Kxx	EAST	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Lxx	EAST	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	NFC	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18	
20M9001Mxx	EAST	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Nxx	EAST	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18	
20M9001Pxx	EAST	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18	
20M9001Qxx	EAST	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	8GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18	
20M9001Rxx	EAST	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18	
20M9001Sxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18	
20M9001Txx	EAST	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18	
20M9001Uxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 16GB Optane Memory	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18	

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20M9001Vxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001Wxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001Xxx	EAST	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9002Axx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002Bxx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002Cxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002Dxx	EAST	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9002Gxx	EAST	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	07/18
20M9002Hxx	EAST	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	07/18
20M9002G++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	07/18
20M9002H++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	07/18
20M9002C++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002D++	EMEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9002A++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002B++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001W++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001X++	EMEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9001U++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 16GB Optane Memory	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9001V++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001S++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20M9001T++	EMEA	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9001Q++	EMEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	8GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9001R++	EMEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9001N++	EMEA	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001P++	EMEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9001L++	EMEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	NFC	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9001M++	EMEA	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001J++	EMEA	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001K++	EMEA	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001F++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001G++	EMEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001D++	EMEA	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001E++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001B++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001C++	EMEA	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M90019++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001A++	EMEA	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M90017++	EMEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M90017**	MEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M90019**	MEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR &720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18

Model	Region	Processor	vPro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage (HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System (OS)	Warranty	Ann Date (m/y)
20M9001A**	MEA	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001D**	MEA	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001C**	MEA	i7-8850H	vPro	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001B**	MEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001E**	MEA	i7-8850H	vPro	P2000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001G**	MEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001F**	MEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001J**	MEA	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001K**	MEA	i7-8850H	vPro	P3200 6GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001N**	MEA	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001M**	MEA	i7-8850H	vPro	P3200 6GB	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001L**	MEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 non-ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	NFC	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9001P**	MEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9001R**	MEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	16GBx2 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	1TB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9001Q**	MEA	Xeon E-2176M	vPro	P2000 4GB	Intel CM246	8GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Depot	06/18
20M9001S**	MEA	i7-8750H	No	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9001T**	MEA	i7-8850H	vPro	P1000 4GB	Intel CM246	16GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18
20M9001W**	MEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001V**	MEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	None	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9001U**	MEA	i7-8750H	No	P1000 4GB	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	1TB 7200rpm + 16GB Optane Memory	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Depot	06/18

Model	Region	Processor	vPro	Pro	Graphics	Chipset	Memory	Display	Multi-touch	Pen	Storage(HDD/SSD)	RAID	Optical	WLAN + Bluetooth	WWAN	SIM Card	Smart Card Reader	Camera	Key-board	Finger-print Reader	NFC	Color Calibrator	TPM	Battery	Power Adapter	Operating System(OS)	Warranty	Ann Date (m/y)
20M9001X**	MEA	Xeon E-2176M	vPro	P2000	Intel CM246	16GBx2 ECC	15.6" 4K (3840x2160) IPS	10-point Multi-touch	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9002B**	MEA	i7-8850H	vPro	P2000	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002A**	MEA	i7-8850H	vPro	P2000	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	None	1TB 7200rpm + 512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002C**	MEA	i7-8750H	No	P1000	Intel CM246	8GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	None	1TB 7200rpm + 256GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	06/18
20M9002D**	MEA	Xeon E-2176M	vPro	P2000	Intel CM246	16GBx2 ECC	15.6" FHD (1920x1080) IPS	None	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64 for WS	3-year, Onsite	06/18
20M9002H**	MEA	i7-8850H	vPro	P2000	Intel CM246	16GBx2 non-ECC	15.6" FHD (1920x1080) IPS	None	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	IR & 720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	07/18
20M9002G**	MEA	i7-8750H	No	P1000	Intel CM246	8GBx1 non-ECC	15.6" FHD (1920x1080) IPS	None	None	None	512GB SSD M.2 PCIe NVMe Opal2	No	None	Intel 9560 ac, 2x2 + BT4.1	None	None	Smart Card Reader	720p	Backlit	Finger-print Reader	None	None	dTPM 2.0	6-cell (90Wh)	170W Slim Tip	Win10 Pro 64	3-year, Onsite	07/18