

# PRECISION 5680

## FEATURE TECHNICAL SPECIFICATION

<b>MODEL NUMBER</b>	Precision 5680
<b>PROCESSOR OPTIONS</b>	13 <sup>th</sup> Gen Intel Core i5-13600H vPro, 18 MB cache, 12 cores, 24 threads, 2.70 GHz to 4.50 GHz, 45W 13 <sup>th</sup> Gen Intel Core i7-13700H non-vPro Essentials, 24 MB cache, 14 cores, 28 threads, 3.70 GHz to 5.0 GHz, 45W 13 <sup>th</sup> Gen Intel Core i7-13800H vPro, 24 MB cache, 14 cores, 28 threads, 4.0 GHz to 5.20 GHz, 45W 13 <sup>th</sup> Gen Intel Core i9-13900H vPro, 24 MB cache, 14 cores, 28 threads, 4.10 GHz to 5.40 GHz, 45W
<b>OPERATING SYSTEM</b>	Windows 11 Home, 64-bit Windows 11 Pro, 64-bit Win 11 Pro with Win 10 downgrade option Ubuntu 22.04 RHEL
<b>MEMORY OPTIONS</b>	16GB, 6400MT/s, LPDDR5x, Soldered Memory 32GB, 6000MT/s, LPDDR5x, Soldered Memory 64 GB, 6000 MT/s, LPDDR5x, Soldered Memory
<b>GRAPHIC</b>	Intel Integrated Graphics UMA Intel Arc Pro A60M NVIDIA RTX A1000, DDR6, 6GB memory NVIDIA RTX 2000, Ada Generation DDR6, 8GB memory NVIDIA RTX 3500 Ada Generation DDR6, 12GB memory NVIDIA RTX 4000 Ada Generation DDR6, 12 GB memory NVIDIA RTX 5000 Ada Generation DDR6, 16 GB memory NVIDIA GeForce RTX 4090 GPU 16 GB
<b>INTEGRATED VIDEO CONTROLLER</b>	Intel® Iris® Xe Graphics, USB Type-C port with DisplayPort Alt mode and Thunderbolt 4, Shared system memory, 13 <sup>th</sup> Generation Intel Core i5/i7/i9
<b>STORAGE OPTIONS</b>	M.2 2230, 256GB, PCIe NVMe Gen4 x4, Class 35 SSD M.2 2280, 512 GB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 4TB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive
<b>MEDIA-CARD READER</b>	Secure Digital (SD) Secure Digital High Capacity (SDHC) Secure Digital Extended Capacity (SDXC)
<b>FINGERPRINT READER</b>	Sensor resolution: 500DPI
<b>DIMENSIONS &amp; WEIGHT</b>	Front: 20.5mm, (.80in) without rubber foot, 26.17 with foot Rear: 22.17mm, (0.87in) without rubber foot, 26.17mm with foot Width: 353.68mm, (13.92in) Depth: 240.33mm, (9.46 in) Weight (minimum): 1.91Kg, (4.20lbs) [with 4-cell battery]
<b>TOUCHPAD</b>	Resolution: Horizontal 1770, Vertical 1039 Dimensions: Horizontal 150.9mm, Vertical 90mm
<b>AUDIO</b>	Dual array microphones 4x speakers (grade A)
<b>WIRELESS</b>	Intel® AX211 WiFi 6E and Bluetooth® 5.3 wireless card
<b>BATTERY OPTIONS</b>	4-cell (66Whr) or 6-cell (99.5Whr) Lithium-Ion polymer battery with Express Charge Boost Long life cycle battery option
<b>DISPLAY OPTIONS</b>	16" FHD+ non-touch, 1920 x 1200, WVA, 60Hz, 500 nits WLED, Low BL w/ IR Cam, DCI-P3 100% 16" OLED touch, 3840 x 2400, 60Hz, WVA, 400 nits WLED, Adobe 100% min and DCI-P3 100% typ, 99% min w/ IR Cam
<b>KEYBOARD</b>	Spill resistant, backlit keyboard
<b>POWER OPTIONS</b>	100W UMA Height: 26mm Width: 60mm Depth: 122mm Input voltage (maximum): 240VAC  Input voltage (minimum): 100VAC Input frequency maximum): 60Hz Input frequency (minimum): 50Hz Input current (maximum): 1.7A Output current (continuous) 5A Rated Output Voltage: 20VDC

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<b>POWER OPTIONS</b>	165W Discrete & UMA Height: 22mm Width: 66mm Depth: 136mm Input voltage (maximum): 240VAC Input voltage (minimum): 100VAC Input frequency maximum): 60Hz Input frequency (minimum): 50Hz Input current (maximum): 2.2A Output current (continuous) 5.89A Rated Output Voltage: 28VDC
<b>CAMERA</b>	FHD RGB IR camera, Clover Falls+ presence detection sensor, ambient light sensor, Windows Hello compliance  No camera/mic option for FED (FHD panel only)
<b>PORTS AND SLOTS</b>	(2) ThunderBolt™ 4 ports with PowerDelivery USB Type-C™/ Display port alt Universal audio jack SD-card slot Wedge-shaped lock slot Optional Smart Card Reader HDMI 2.0 Also ships with a Dongle with USB Type A