

# Features & Technical Specifications

## PRECISION 3650 TOWER

Feature	Precision 3650 Tower Technical Specifications
Storage Options <sup>4</sup>	<p>Support for up to (3) 3.5" SATA® or (4) 2.5" SATA®</p> <p>For 11<sup>th</sup> gen processors, up to (3) M.2 PCIe NVMe SSD on motherboard slots. Boot drive installed on gen 4 slot.</p> <p>For 10<sup>th</sup> gen processors, up to (2) M.2 PCIe NVMe SSD on motherboard slots. Boot drive installed on gen 3 slot.</p> <p>Support for Intel® Ready Mode™ technology</p> <p>Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive with active cooling</p> <p><b>M.2 PCIe NVMe™ SSD</b></p> <p>M.2 2280 256GB NVMe™ gen3 Class 40</p> <p>M.2 2280 512GB NVMe™ gen4 Class 40</p> <p>M.2 2280 512GB NVMe™ gen3 Class 50</p> <p>M.2 2280 1TB NVMe™ gen3 Class 50</p> <p>M.2 2280 1TB NVMe™ gen4 Class 40</p> <p>M.2 2280 2TB NVMe™ gen4 Class 40</p> <p><b>SATA® 2.5" 7200 RPM</b></p> <p>2.5" 1TB 5400 RPM HDD (7mm)</p> <p>2.5" 2TB 5400 RPM HDD (7mm)</p> <p>2.5" 500GB 7200 RPM HDD (7mm)</p> <p>2.5" 1TB 7200 RPM HDD (7mm)</p> <p><b>SATA® 3.5"</b></p> <p>3.5" 500GB 7200 RPM HDD</p> <p>3.5" 1TB 7200 RPM HDD</p> <p>3.5" 2TB 7200 RPM HDD</p> <p>3.5" 4TB 5400 RPM HDD</p> <p>3.5" 4TB 7200 RPM Enterprise HDD</p> <p>3.5" 8TB 7200 RPM Enterprise HDD</p> <p><b>Self Encrypting Drives</b></p> <p>M.2 2280 256GB NVMe™ gen3 SED</p> <p>M.2 2280 512GB NVMe™ gen3 SED</p> <p>M.2 2280 1TB NVMe™ gen3 SED</p> <p>2.5" 500GB 7200RPM OPAL SED FIPS (7mm)</p> <p>RAID options 0, 1, 5, 10 available.</p>
Storage Controller	<b>Integrated:</b> Intel® Rapid Storage Controller 12.0 supporting SATA 6Gb/s and host based RAID 0/1/5/10
Speakers	Optional Internal Speaker; Optional Dell 2.0 stereo speaker systems available and Dell sound bar for select flat-panel displays, Optional Dell Pro Stereo Headset (wired/wireless).
Communications	<b>Integrated:</b> Intel® Ethernet Connection I219-LM 10/100/1000 <b>Optional:</b> 2 <sup>nd</sup> Ethernet Connection (RJ-45) up to 2.5Gbps <b>Optional:</b> Intel® 10/100/1000 PCIe Gigabit Networking card Aquantia® AQtion™ AQN-108 5/2.5 GbE NIC Adapter <b>Optional:</b> WLAN on PCIe Add-in-card with up to Wi-Fi® 6 (802.11ax) wireless module and Bluetooth® 5.2
Audio Controller	Integrated Realtek® ALC3246 High Definition Audio Codec (2 Channel)
Add-in cards	<b>Ethernet NIC</b> Aquantia AQtion AQN-108 5/2.5 GbE NIC Adapter (Full Height) Intel® Gigabit Ethernet NIC (1Gbps) PCIe Card (Full Height) Intel® Ethernet 10G Dual Port X550-t Adapter (2X10GbE) <b>WLAN on PCIe Add-in-card</b> Qualcomm® QCA6174A 802.11ac Dual Band (2x2) Wireless + Bluetooth 5.0 LE M.2, w/Internal Antenna Intel® Wi-Fi 6 AX210 802.11ax Dual Band (2x2) Wireless Module + Bluetooth 5.2 <b>Extra Ports</b> Additional USB Type C™ w/ DisplayPort Alternative Additional VGA Port Additional DisplayPort™ Additional HDMI 2.0 Port  Serial and Parallel Port PCIe Card (Full Height) USB 3.2 G2 PCIe Card - 2 Type C™ Ports, 1DP in USB 3.2 Type C™ Gen 2 PCIe add-in card (Full Height) Serial port add-in card (PCIe) Thunderbolt™ 4 PCIe add-in-card (Full Height)

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I/O Ports	<p><b>Front:</b> Front of the chassis has 2 I/O offerings - Standard and Advanced with following differences in USB and SD card reader. (Availability depends on chassis selection and region)</p> <p><b>Standard offering</b> 2x USB 2.0 Type A 1x USB 3.2 Type A Gen1 (5Gbps), with PowerShare 1x USB 3.2 Type C™ Gen2 (10Gbps), with PowerShare No SD card reader</p> <p><b>Advanced offering</b> 1x USB 3.2 Type A Gen1 (5Gbps) 1x USB 3.2 Type A Gen2 (10Gbps)</p> <p><b>Advanced offering</b> 1x USB 3.2 Type A Gen2 (10Gbps), with PowerShare 1x USB 3.2 Type C™ Gen 2x2 (20Gbps), with PowerShare With SD card reader</p> <p><b>Other Front ports</b> 1x 3.5mm headphone jack with microphone</p> <p><b>Rear</b> Starting from top, going left to right 2x DisplayPort™ 1.4 2x PS2 (Legacy for keyboard and mouse) 2x USB 2.0 Type A (with SmartPower) 1x RJ45 Network Connector 1x USB 3.2 Type A Gen2 (10Gbps) 2x USB 3.2 Type A Gen1 (5Gbps) 1x Audio Line out</p>
Chassis	<p>1x Optional Port (VGA, HDMI 2.0, DP1.4 with 5K display support, Type C w/DP-Alt mode) 1x Optional 2<sup>nd</sup> RJ45 Network Connector (2.5GHz)</p> <p>Height: 13.19 in. (335.0 mm) Width: 6.95 in. (176.6 mm) Depth: 13.58 in. (345.0 mm) Weight: 18.74 lb (8.5 kg) <b>Bays:</b> 4x SATA slots for (4) 2.5 in. / (3) 3.5 in. HDD / (1) ODD / (1) DP27</p> <p><b>Slots:</b> 3x M.2 2280 PCIe x4 slots for NVMe SSD on RKL-S CPUs (1 slot will be Gen4, 2 slots will be Gen3); 2x M.2 2280 PCIe x4 slots for NVMe SSD on CML-S Refresh Core i3 CPU (2 slots will be Gen3), 1x PCIe x16 Gen4 (full height), 1x PCI (full height), 1x PCIe x4 Gen3 (open ended, full height)</p> <p><b>Power Supply:</b> 300W 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant; 460W 90% efficient PSU (80PLUS Gold Certified Certified) Energy Star compliant; 550W 90% efficient PSU (80PLUS Gold Certified) Energy Star compliant; 1000W 90% efficient PSU (80 PLUS Gold Certified) Energy Star compliant (PSU availability varies by region.)</p>
Storage devices	<p>Optional: 1 optical drive: DVD-ROM; DVD+/-RW (Note: optical drive not available with Smart Card Reader (CAC/PIV)) SD Card Reader (Note: SD card reader is available in Advanced front I/O offering at the time of purchase. Availability for a chassis may differ across regions.)</p>
Security Options <sup>5</sup>	<p>Trusted Platform Module TPM 2.0, Dell Data Guardian, Dell Endpoint Security Suite Enterprise, Dell HW Crypto Accelerator, Microsoft Windows Bitlocker, Local HDD data wipe via BIOS ("Secure Erase"), Encryption - SED HDD (Opal FIPS), Chassis lock slot support, Chassis Intrusion Switch, D-Pedigree (Secure Supply Chain Functionality), Setup/BIOS Password, Optional Smart Card keyboards, Intel® Trusted Execution Technology, Intel® Identity Protection Technology, Dell Secure Works, BIOS support optional Computrace, Intel Software Guard extensions</p>