Ultimate power and scalability.

PRECISION 7920 TOWER

Powerful performance
Power through the most complex, demanding applications more quickly with a new generation of dual-socket performance with the Intel® Xeon® processor Scalable family featuring up to 28 cores per processor. System memory is expandable up to 3TB of faster 2666MHz with select processors. In addition, every Dell Precision comes with the exclusive Dell Precision Optimizer, which automatically tunes your workstation to run some of the most popular (ISV) applications at the fastest speeds possible.

Latest technology
Ready for complex projects, including virtual reality workflows, with the next generation AMD Radeon Pro™ and highest performing NVIDIA Quadro® professional graphics with support for up to 750W of graphics power. No project is too big with up to 48TB of total storage. Front access FlexBays provide maximum storage expandability with SATA, SAS and PCIe M.2/U.2 NVMe solid state drives featuring hot swap access, so you never have to stop creating.

Innovative design
FlexBay design supports a range of modules from scalable storage to audio options, you can build the workstation designed for your creative expertise. Secure your data with the optional Smart Card (CAC/PIV) reader and lockable hard drive carriers. The best-in-class smart design includes integrated front and rear handles for easy deployment and moves and an externally accessible tool-less (lockable) power supply for superior serviceability.

Outstanding reliability
The revolutionary multichannel thermal design delivers advanced cooling and acoustics so you can enjoy longer productivity under heavy workloads. Precision Workstations are tested (Independent Software Vendor certified) to ensure the high-performance applications you rely on every day run smoothly.
<table>
<thead>
<tr>
<th>Feature</th>
<th>Precision 7920 Tower Technical Specifications</th>
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<tr>
<td><strong>Processor Options</strong></td>
<td>One or two Intel® Xeon® processor Scalable family CPUs with up to 28 cores per processor and Intel Advanced Vector Extensions, Intel Trusted Execution Technology, Intel AES New instructions, Optimized Intel Turbo Boost and optional Intel vPro™ technology</td>
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<tr>
<td><strong>Operating System Options</strong></td>
<td>Windows 10 Pro for Workstations (up to 4 Cores) Windows 10 Pro for Workstations (4 Cores Plus) Windows 10 Pro for Workstations Downgrade to Windows 7 (up to 4 Cores) Windows 10 Pro for Workstations Downgrade to Windows 7 (4 Cores Plus)</td>
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<td><strong>Chipset</strong></td>
<td>Intel® C621 (Lewisburg)</td>
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<td><strong>Memory Options</strong></td>
<td>Six channel memory up to 1.5TB 2666MHz DDR4 ECC memory with dual CPUs, up to 3TB with select CPU SKUs</td>
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<td><strong>Graphics Options</strong></td>
<td>Support for 4 PCI Express® x16 Gen 3 graphics cards - up to 750W with maximum of 3 x 250W double width graphics cards in 3 slots (dual CPU configuration) and up to 2 x 375W cards 220VAC input supply recommended for 750W configurations and some restrictions apply</td>
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<td></td>
<td><strong>High end 3D cards:</strong> Radeon™ Pro WX 9100 Radeon™ Pro SSG (future) NVIDIA Quadro GP100 NVIDIA Quadro P6000 NVIDIA Quadro P5000</td>
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<td><strong>Mid-range 3D cards:</strong> Radeon™ Pro WX 7100 Radeon™ Pro WX 5100 Radeon™ Pro WX 4100 NVIDIA Quadro P4000 NVIDIA Quadro P2000</td>
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<td></td>
<td><strong>Entry 3D cards:</strong> Radeon™ Pro WX 3100 Radeon™ Pro WX 2100 NVIDIA Quadro P1000 NVIDIA Quadro P600 NVIDIA Quadro P400</td>
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<td><strong>Professional 2D cards:</strong> NVIDIA NVS 310 NVIDIA NVS 315</td>
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<td><strong>Storage Options</strong></td>
<td>Front accessible FlexBays support up to 4 x 2.5”/3.5” SATA HDD/SSDs and up to 8 drives with rear FlexBays populated with integrated Intel SATA controller. Up to 10 x 2.5”/3.5” SATA/SAS drives - requires the Broadcom MegaRAID 9460-16i controller. Up to 4 front accessible (hot plug) M.2 NVMe PCIe SSDs in FlexBays on enabled PCIe chassis with integrated Intel controller (&gt;2 drives requires dual CPUs). NVMe RAID 0,1 option (Intel RSTe vROC). Dell M.2 carrier with PCIe SSD for PCIe FlexBay available as customer kit. Up to 8 x M.2 NVMe PCIe SSDs via 2 x Dell Ultra-Speed Drive Quad x16 cards (maximum requires dual CPUs), NVMe RAID 0,1,10 option on 1st card (Intel RSTe vROC). <strong>M.2 NVMe PCIe SSDs</strong> Up to 8* x 1TB drives on 2 Dell Precision Ultra-Speed Drive Quad x16 cards. <em>Requires dual CPU config. <strong>Front FlexBay M.2 NVMe PCIe SSDs</strong> Up to 4</em> x 1TB drives, 2 drives per CPU. *Requires dual CPU config. <strong>2.5” SATA SSD</strong> Up to 10 x 1TB drives <strong>2.5” SAS SSD</strong> Up to 10 x 800GB drives</td>
</tr>
</tbody>
</table>
3.5" SAS 7200 RPM 12Gb/s
Up to 10 x 4TB

2.5" SAS 10K RPM 12Gb/s
Up to 10 x 1.8TB

2.5" SAS 15K RPM 12Gb/s
Up to 10 x 900GB (future)

2.5" Self Encrypting Drives
512GB 2.5" SED (OPAL/ FIPS (140-2) HDD
M.2 PCIe SED SSD
512GB and 1TB

Integrated: Intel® chipset SATA controller (6Gb/s) with 6 SATA ports plus 2 dedicated ports for optical drives. Intel RSTe software RAID 0,1,5,10.
Intel RSTe (vROC) software RAID 0,1,10 option (motherboard activation key) for M.2 NVMe PCIe SSDs on 1st Dell Ultra-Speed Drive Quad x16
or Duo x8 card (RAID 0,1) or front FlexBay NVMe PCIe SSDs (2 drive RAIDsets only with RAID 0,1)
Customer kit available for Intel RSTe (vROC) motherboard activation key for NVMe RAID support.
Optional: Broadcom MegaRAID™ SAS 9440-8i 12Gb/s SAS (6Gb/s SATA) PCIe controller, 8 ports, Software RAID 0,1,5,10.

MegaRAID™ SAS 9460-16i 12Gb/s SAS (6Gb/s SATA) ) PCIe controller (4GB cache with Flash module/ Super Cap backup) Hardware RAID 0,1,5,10
Integrated: Intel® i219 & i210 Gigabit Ethernet controllers with Intel Remote Wake Up, PXE and Jumbo frames support

Optional: Broadcom® X550-T2 10GbE dual port PCIe (Gen 3 x4) network card,
Aquantia AQN-108 2.5Gbit/5Gbe single port PCIe (Gen3 x4) network card

Communications
Optional: Intel® i210 10/100/1000 single port PCIe (Gen 3 x1) gigabit network card, Intel® X550-T2 10GbE dual port PCIe (Gen 3 x4) network card,

Audio Controller
Integrated Realtek ALC3234 High Definition Audio Codec (2 Channel)
Optional Dell Digital Audio Interface (2Ch, 120dB S/N ratio – 5.25" Flex Bay option (USB interface) (future)

Speakers
Internal Speaker; Optional Dell 2.0 stereo speaker systems available and Dell sound bar for select flat-panel displays

Optional: Dell Precision Ultra-Speed Drive Duo (HH/HL,x8) & Ultra-Speed drive Quad (FH/FL,x16) with active cooling. Support for up to 2 and 4 M.2 PCIe NVMe SSDs respectively.
Optional USB 3.1 (Gen 2) 10Gb/s Type C card (2 ports) 1 DP pass-through port
Optional dual & quad display Teradici PCoIP remote workstation host PCIe cards
Optional Thunderbolt 3 PCIe Card (2 ports) 1 DP pass-through port
Optional Serial Port PCIe Card

Add-in cards
Front
2 – USB 3.1 Gen 1 Type A
2 – USB 3.1 Type C
1 – Universal Audio Jack
Up to 4 x 4 PCIe slots in PCIe enabled chassis for M.2 and U.2 (future) PCIe SSDs

Internal
1 – USB 2.0
1 - 2 x 5 USB 2.0 header. (requires 3rd party splitter cable to support 2 x USB 2.0 Type A ports)
8 – SATA @6Gb/s plus 1 SATA for optical

Rear
6 – USB 3.1 Gen 1 Type A
1 – Serial
2 – RJ45 Network
2 – PS2
1 – Audio Line out
1 – Audio Line in/Microphone

HxWxD: 433mm x 218mm x 566mm. Optional 19" rackmount rail kit
Bays: (4) FlexBays and (1) 5.25" FlexBay supporting up to 10 x 3.5" or 2.5" drives (with MegaRAID 9460i-16 controller)
(1) Slimline optical bay option adjacent to 5.25" bay; Available 2nd 5.25" bay – consumes/converts 2 FlexBays, (1) SD slot UHS II Class 3 with read only

Chassis
(1) x16 wired as x 4, (1) x16 wired as x1
Power Supply: 1400W (input voltage 100VAC - 240VAC) ~90% efficient (80PLUS Gold Certified)
Externally accessible/removable/lockable
<table>
<thead>
<tr>
<th>Storage devices</th>
<th><strong>Slimline options</strong>: DVD-ROM; DVD+/-RW, Optional 5.25” bay devices: BD, DVD+/-RW;</th>
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<tbody>
<tr>
<td>Security Options (Check regional availability)</td>
<td>Trusted Platform Module (TPM 2.0); Optional CAC/PIV card reader for slimline bay, chassis Intrusion switch; Setup/BIOs Password; I/O Interface Security; Kensington® lock slot, Padlock ring, lockable power supply; Optional hard drive locking sleds (key lock), Dell Data Guardian, Dell Endpoint Security Suite Enterprise</td>
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<tr>
<td>Manageability</td>
<td>AMT or vPro with DASH support, Dell vPro Enhancements (Grasslake)</td>
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<tr>
<td>Regulatory and Environmental Compliance</td>
<td>SNMT/CIM vis OMCI, Dell Command Suite</td>
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<tr>
<td>Warranty &amp; Support Services</td>
<td>3-Year Limited Hardware Warranty and 3-year NBD On-Site Service after Remote Diagnosis, Optional: Dell ProSupport is designed to rapidly respond to your business’s needs, help protect your investment and sensitive data, and provide enhanced proactive support services to help reduce risk and complexity within your IT environment</td>
</tr>
<tr>
<td>TAA</td>
<td>YES (check regional availability)</td>
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</tbody>
</table>

**ISV certification applies to select configurations:**

1. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
2. GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors.
3. Computrace is not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.absolute.com/en/about/legal/agreements.
4. Systems Management Options: Intel® vPro Technology - Fully vPro-capable at point of purchase; the vPro systems management option requires vPro processors. Includes support for Intel Advanced Management Technology (AMT) 9.x. Intel® Standard Manageability - Fully enabled at point of purchase, the Intel Standard Management option is a subset of the AMT features. ISM is not upgradeable to vPro technology post-purchase. No Out-of-Band Systems Management - This option entirely removes Intel out of band systems (OOB) management features. The system can still support in band management. OOB management support through AMT cannot be upgraded post-purchase.
5. Availability and terms of Dell Services vary by region. For more information, visit Dell.com/servicecontracts/global; Limited Hardware Warranty available by writing Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty; Onsite Service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/warranty) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

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Essential Accessories

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Dell Canvas

Dell Wireless Premium Keyboard & Mouse Combo | KM717

Dell UltraSharp Ultra HD 4K Monitor with PremierColor | UP3216Q

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