

Processor

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

Operating System (Dell Technologies recommends Windows 11 Pro for business.)

Windows 10 Pro (64 bit)
Enterprise Linux® 7.3
Ubuntu Linux 16.04
NeoKylin 6.0 SP3 (China only)

Video Card

Support for 4 PCI Express® x16 Gen 3 graphics cards, 1 - 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

High end 3D cards:

Radeon™ Pro WX 9100
Radeon™ Pro SSG (future)
NVIDIA Quadro GP100
NVIDIA Quadro P6000
NVIDIA Quadro P5000

Mid-range 3D cards:

Radeon™ Pro WX 7100
Radeon™ Pro WX 5100
Radeon™ Pro WX 4100
NVIDIA Quadro P4000
NVIDIA Quadro P2000

Entry 3D cards:

Radeon™ Pro WX 3100
Radeon™ Pro WX 2100
NVIDIA Quadro P1000
NVIDIA Quadro P600
NVIDIA Quadro P400

Professional 2D cards:

NVIDIA NVS 310

Memory⁸

8 GB, 1x8 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
16 GB, 2x8 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
32 GB, 4x8 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
32 GB, 2x16 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
48 GB, 4x8 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
64 GB, 8x8 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
64 GB, 4x16 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
DDR4, 2933 MHz, RDIMM, ECC SDRAM
DDR4, 2933 MHz, RDIMM, ECC SDRAM
128 GB, 8x16 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
128 GB, 2x4 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
192 GB, 12x16 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
192 GB, 6x32 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
256 GB, 8x32 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
256 GB, 4x64 GB, DDR4, 2933 MHz, RDIMM, ECC SDRAM
DDR4, 2933 MHz, RDIMM, ECC SDRAM
96 GB, 12x8 GB, DDR4, 2933 MHz, RDIMM, ECC
96 GB, 6x16 GB, DDR4, 2933 MHz, RDIMM, ECC

Hard Drive

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 (>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). M.2 NVMe PCIe SSDs

Up to 8* x 1TB drives on 2 Dell Precision Ultra-Speed Drive Quad x16 cards. *Requires dual CPU config.

Front FlexBay M.2 NVMe PCIe SSDs

Up to 4* x 1TB drives, 2 drives per CPU. *Requires dual CPU config.

2.5" SATA SSD

Up to 10 x 1TB drives

2.5" SAS SSD

Up to 10 x 800GB drives

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

Ports

Front

1 SD card slot

2 USB 3.2 Type-A ports

2 USB 3.2 Type-C ports (1 with PowerShare)

1 Universal Audio Jack

4 PCIe slots in PCIe enabled chassis for M.2 and U.2 (future) PCIe SSDs

Internal

1 USB 2.0

1 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 3.2 Type-A ports (1 support smart Power-On)

1 Serial port

2 RJ45 Network (1 managed optionally)

1 PS/2 Mouse port

1 PS/2 Keyboard port

1 Audio Line-out port

1 Audio Line-in/Microphone port

1 Security cable slot

Dimensions & Weight

Height: 433mm (17.05") x Width: 218mm (8.58") x Depth: 566mm (22.29")

Weight: 20.4 kg (45.0 lbs)⁶

Chassis

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. Available PCIe chassis with PCIe FlexBays supporting M.2 NVMe PCIe SSDs and U.2 NVMe PCIe SSDs. PCIe FlexBay customer kit available