



711.50000 REV 10 – SEM/STEM Standard Products PC System

Manufacturer:

Dell

Model:

Precision T5820

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| Base Unit: | Precision Tower Workstation T5820, (210-ANJK, 321-BGTI, 329-BBJL) |
| Processor: | (1) Intel Xeon W-2223, 4 cores, 3.6 GHz, 8.25 Mb L3 cache, 120 W, 3.9 GHz max Turbo, Hyper-Threading, 2666 MHz, (338-BUNW, 412-AALF) |
| Memory: | 16 Gb, RDIMM, 2933 MHz, ECC; (2) 8 Gb DIMMs (370-AESX, 370-AAIP) |
| Video Card: | (1) nVidia Quadro T400, 2 Gb GDDR6, 384 CUDA Cores, PCIe v3 x16, 30W with (3) mDP v1.4 connections, (3) mDP to DP adapters (490-BGZV) |
| Monitor: | (1) 24" Flat panel display, U2422H, 1920x1080, 63 W max, HDMI/DP connections, 2m DP-DP cable, 2m USB 3.0 upstream cable (210-AYYV, 814-5380, 814-5381) |
| HD Configuration: | Up to (6) 2.5" SATA drives (449-BBLT, 411-XXYB) |
| Hard Drives: | (1) 1.0 Tb, 3.5" SATA, 7200 rpm (400-ASSK) |
| HD RAID: | No RAID (780-BBCJ) |
| HD Controller: | Integrated Intel AHCI chipset, 6 Gb/s, 6 SATA ports, 2 dedicated optical drive ports (403-BBRL) |
| Optical Drive: | 8x DVD +/-RW, Slimline, SATA (325-BCUD, 429-ABDW, 658-BBTV) |
| Power Supply: | 425 W, 90% efficiency (389-CGKG, 470-AAKG) |
| Energy Efficiency: | Energy Star (387-BBMZ) |
| Operating System: | Windows 10 Professional for Workstations, 64-Bit, English (619-AMUB) |
| Network Adapters: | Integrated Intel i219 Gigabit Ethernet controllers (1) 1GbE 2 port PCIe v2 x1, StarTech ST1000SPEXD4 |
| Keyboard: | US English (QWERTY), KB216, wired USB, black (580-ADJC) |
| Mouse: | MS116 Optical LED tracking, wired USB, 2 buttons, scroll wheel, black (570-ABIE) |
| Speakers: | Internal |
| System Recovery: | Windows 10 OS Recovery 64-bit, no media (620-AALW) Precision Resource DVD (430-XYMF) |
| Expansion Slots: | PCIe x16, Gen 3 PCIe x16, Gen 3 (occupied by Video card) PCIe x16, Gen 3, wired as x1 (occupied by NIC card) PCIe x16, Gen 3, wired as x4 PCIe x16, Gen 3, wired as x8 PCI-32 |
| I/O Ports: | Front: (2) USB 3.1 Type A, (2) USB 3.1 Type C, (1) universal audio, (1) SD Rear: (6) USB 3.1 Type A, (1) RJ45, (1) PS/2 keyboard, (1) PS/2 mouse, (1) Serial, (1) Audio line-in, (1) Audio line-out |
| Service: | 3 years ProSupport with NBD Onsite Service (997-7163, 997-7188, 997-7208, 989-3449) |
| Documentation: | Safety/Environment and Regulatory Guide (340-AGIK) Placemat 5820 Tower (340-BYNM) |

Notes:

- Items in [blue text](#) are NOT part of the Precision configuration that can be ordered if this system is purchased directly from Dell.
- If the specific hardware device configuration requires more expansion slots than what is available on the motherboard, an Expansion Enclosure System will also need to be purchased:

PCI Express to 2 PCI & 2 PCIe Expansion Enclosure System – Full Length
Gatan p/n# 101780 (StarTech #PEX2PCIE4L)

Important: Check with the Software group and Marketing before changing this specification.