



711.07871 REV 03 – GMS 3 Analytical PC System

Manufacturer: Dell

Model: Precision T7920 XL

Base Unit:	Precision 7920 XL Tower Workstation, (210-AMRP, 321-BCZY, 329-BBJL, 389-CGHR)
Processor:	(2) Intel Xeon Gold 5118, 12 cores, 2.3 GHz, 16.5 Mb L3 cache, 10.4 GT/s, 105W, 3.2 GHz Turbo, air heat pipe (338-BMYP, 338-BMZP, 575-BBPB, 412-AALD, 412-AALE)
Memory:	32 Gb, DDR4 RDIMM, 2666 MHz, ECC; (4) 8 Gb DIMMs (370-ADTK)
Video Card:	(1) nVidia Quadro P620, 2 Gb GDDR5, 512 CUDA Cores, PCIe v3 x16, 40W with (4) mDP v1.4 connections, (4) mDP to DP adapters (490-BEQU)
Monitor:	(1) 32" Widescreen flat panel Ultra HD display, UP3216Q, 3840x2160, HDMI/DP/mDP connections, 3 years Advanced Exchange Service (210-AFLN, 815-2573, 815-2577)
HD Configuration:	(4) 3.5" form factor drive bays, can accommodate 3.5" or 2.5" HD/SSD disks (780-BCIQ, 411-XXYB)
Hard Drives:	(2) 256 Gb, 2.5" SATA, Class 20, Solid State (400-AUPF)
HD RAID:	RAID 0, (1) 512 Gb logical drive (780-BBCK)
HD Controller:	Integrated LSI SAS 3008 SATA/SAS, 6 Gb/s SATA (403-BBRL)
Optical Drive:	8x DVD +/-RW, Slimline, SATA (325-BCTX, 429-ABDW, 658-BBVS)
Power Supply:	1400 W, 90% efficiency (470-AATC)
Energy Efficiency:	Energy Star (387-BBMV)
Operating System:	Windows 10 Professional for Workstations, 64-Bit, English (619-AMSU)
Network Adapter:	Integrated Intel (1) i219 & (1) i210 Gigabit Ethernet controllers
Keyboard:	US English (QWERTY), KB216, wired USB, black (580-ADJC)
Mouse:	MS116 Optical LED tracking, wired USB, 2 buttons, scroll wheel, black (275-BBBW)
Speakers:	Internal
System Recovery:	Windows 10 OS Recovery 64-bit USB (620-ABFD) Precision Resource DVD (430-XYMF)
Expansion Slots:	1 PCIe x8, Gen 3, open ended connector, CPU 0 2 PCIe x16, Gen 3, 75W, CPU 0 (occupied by Video card) 3 PCIe x16, Gen 3, wired as x1, CPU 0 4 PCIe x16, Gen 3, 75W, CPU 0 5 PCIe x16, Gen 3, wired as x4, can accommodate double width card, CPU 0 6 PCIe x16, Gen 3, 75W, can accommodate double width card, CPU 1 7 PCIe x16, Gen 3, 75W, CPU 1
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, (2) 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 (997-5852, 997-5877, 997-5893, 989-3449)
Documentation:	Safety/Environment and Regulatory Guide (340-AGIK) Placemat 7920 Tower (340-BVYE)

Notes:

1. GMS software version 3.2.0 (or newer) is required for support of acquisition equipment in the Windows 10 environment.
2. 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)
3. If the monitor, keyboard and mouse need to be located farther from the computer than would be permitted by the standard 2m cabling, an optional 10m Ultra HD monitor cable bundle may be purchased (included if computer purchased from Gatan):

(10m) DP 1.2/1.3 Active Optical cable, (10m) USB 2.0 A male to B male active cable, (12.2m) 250V power cord
Gatan p/n# 711.27000

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