711.07871   REV 13 – GMS 3 Analytical PC System (no In-Situ)

Manufacturer: Dell
Model: Precision T7920 XL

Base Unit:	Precision 7920 XL Tower Workstation (210-AMRP, 321-BGVL, 329-BBJL, 389-CGHR)
Processor:	(2) Intel Xeon Gold 5218, 16 core, 2.3 GHz up to 3.7 GHz Turbo, 22 MB L3, 10.4 GT/s, 125W (338-BSQG, 338-BSRP, 575-BBPB, 412-AALD, 412-AALE)
Memory:	32 Gb, DDR4 RDIMM, 2666 MHz, ECC; (4) 8 Gb DIMMs (370-ADTK)
Video Card:	(1) nVidia T1000, 4 Gb GDDR6, 896 CUDA Cores, PCIe v3 x16, 50W with (4) mDP v1.4 connections, (4) mDP to DP adapters (490-BGXV)
Monitor:	(1) 32" Widescreen flat panel Ultra HD display, 3840x2160, HDMI/DP connections, 2m DP-DP cable, 3 years Advanced Exchange Service: **U3223QE** (210-BDPH, 844-1960, 844-1966) **or P3223QE** (210-BDQC, 844-1960, 844-1966)
HD Configuration:	Intel NVMe PCIe SSD, Front PCIe FlexBay (414-BBBV, 411-XXYB)
Hard Drives:	(1) 1 Tb, NVMe, Class 40, Solid State, M.2 form factor (401-ABJR, 400-AVDR)
HD RAID:	no RAID (780-BBCJ)
HD Controller:	Intel Integrated RST-e for front FlexBay NVMe drives (321-BDFD, 321-BDFE)
Optical Drive:	8x DVD -/+RW, Slimline, SATA (325-BCTX, 429-ABDW, 658-BBTV)
Power Supply:	1400 W, 90% efficiency (470-AATC)
Energy Efficiency:	Energy Star (387-BBMV)
Operating System:	Windows 10 Professional for Workstations, 64-Bit, 6 cores plus, with Windows 11 Pro license, English (619-AQEC)
Network Adapters:	Integrated Intel (1) i219 & (1) i210 Gigabit Ethernet controllers (1) 10GbE 2 port PCIe v3 x4, Intel X550-T2 (540-BCEH)
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:	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, double width card is ok, CPU 0 (occupied by NIC card) 6 PCIe x16, Gen 3, 75W, double width card is ok, 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 (989-3449, 997-5852, 997-5877, 997-5893)
Documentation:	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. Reference **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 20m Ultra HD monitor cable bundle may be purchased (included if computer purchased from Gatan). Reference **Gatan p/n# 711.27200**

4. When purchased from Gatan, this system is also provided with (1) USB A female to USB B female adapter. **Gatan p/n# 109295**

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