

### **For Mobile Workstation:**

Processor: 8th Generation, hexa core Intel Xeon E-2186M / Intel i9-8950

Operating System:  
Windows 10 Pro for Workstations  
Ubuntu Linux (pre-load)

Memory:  
32 GB DDR4 ECC RAM, additional 4x SoDIMM Slots, with 32GB per DIMM capacity

Storage:  
512 GB M.2 NVMe PCIe SSD  
+ 2 TB 7200 rpm SATA Hard Disk Drive with RAID

Graphics:  
NVIDIA Quadro P5200, 16 GB

Display:  
17.3" 4K UHD (3840 x 2160)

Ports:  
4 x USB 3.1  
2 x USB-C with Intel® Thunderbolt™ 3  
3.5 mm audio combo jack  
HDMI 2.0  
Mini DisplayPort 1.4

**Any other mandatory accessories for installation & turnkey operation to be provided by the vendor**



27/7/19

**Dr. Shantala Hegde**  
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## For Desktop Workstation:

### Processor:

Intel® Xeon® Gold 6244 Processor (1<sup>st</sup> CPU)  
(3.6 GHz, up to 4.4 GHz w/Boost, 25 MB, 2933MHz, 8 core, 150W)  
Intel® Xeon® Gold 6244 Processor (2<sup>nd</sup> CPU)  
(3.6 GHz, up to 4.4 GHz w/Boost, 25 MB, 2933MHz, 8 core, 150W)

### Operating System:

Windows 10 Pro 64 Workstations Plus; Dual Boot with Linux/Red Hat Enterprise (with 5 Yr License) to be enabled. (Operating system should not come pre-installed but should be installed on-site after discussion with end-user for installing Linux)

### RAM:

128 GB (4x32 GB) DDR4-2666 ECC Registered Memory  
+ Additional DIMM slots required

Internal OS load storage options  
Operating System Load to M.2 PCIe  
HP Z Turbo Drive 512GB M.2 PCIe NVMe SSD

Internal storage  
6 TB 7200 RPM SATA 3.5" Enterprise HDD  
2<sup>nd</sup> External 6TB 7200 RPM SATA HDD backup drive

Graphics: NVIDIA Quadro P5000 (16 GB GDDR5X, 4 x Displayport 1.4 + USB-C)

Monitor: 27" QHD Display, workstation purpose monitor

Mouse: USB three button Optical Mouse (with scroll button)

Keyboard: USB Business Slim Keyboard with numpad and volume control

Optical drive: 9.5m Slim SuperMulti DVDRW ODD (should support rewritable DVD)

Chassis: HP Z8 G4 1125W (1450W/200V) 90% Eff Chassis or Equivalent for dual processor configuration

Energy Qualification: ENERGY STAR Qualified Configuration


Warranty: 5 Years NBD Warranty

Network: Integrated network interface card

Speakers: Internal speakers

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Page 2 of 3

  
27/7/19

USB: Minimum 8 USB ports (4 USB 3.2) with four front facing ports

Accessories: Chassis with all media/drivers/software disks, cables, heat sinks for handling heat dissipation of 150W dual processor setup, GPU installation kits, etc. to be provided by the vendor.

Other Details:

HP Single unit packaging or Equivalent

HP Dual Processor Air Cooling Kit or Equivalent

India-English Localization

Manufacturer Authorization Form (MAF) from OEM

UPS: 2KVA APC compact UPS with inbuilt batteries; UPS should provide 1 hour of uninterrupted power supply.

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