

1. **A high performance workstation with the following minimum specifications**

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Processor: Two x Intel® Xeon E5-2695V2, 12 core, 2.4 GHz, 30 MB cache

Chipset: Intel®C602

Memory: 128 GB (4 x 32GB) DDR3 1866 ECC RDIMM (Max. 512 GB supported, 16 DIMMs)

Graphics: 3 GB NVIDIA Quadro K4000 (2DP and 1DVI-I) (2DP-DVI and 1DVI-VGA adapter)

RAID: On-board SATA controller supports RAID 0, 1 & 10

SATA: 6 x SATA ports

HDD: 2 x 3TB 7200 RPM SATA hot-plug disks, must support at least 4 hot-plug disks. Empty HDD bays with hot-plug trays should be provided.

Network Controller: Integrated Intel Dual GbE controller (10/1000/1000Mbps)

Optical Drive: DVD RW 8x or better

LAN: 1 x RJ45 Gigabit Ethernet Port

Media card reader: 14 in 1 (or 19 in 1) card reader.

USB ports: At least 8 USB ports (two USB3.0 and 6 USB2.0)

Other ports: Audio line in, out, headphone, one serial port

Exp. Slots: 2 x PCI-Express x16, 2 x PCI-Express x8, 1 x PCI-Express x4

Video: 1 VGA port

BIOS: Suitable plug and play BIOS

Power supply: At least 85% efficient power supply unit

Cooling: Suitable cooling facility must be provided

Additional items: 23" flat screen LED display, multimedia keyboard, optical scroll mouse.