Item-6

GPU accelerated Bioinformatic Server

Processor	2x Intel Xeon 6146 (12C, 3.2G 24.75) Processors (or Higher Processors)
Chipset	Intel® C621 Chipset
RAM	24x 32GB (Total 768GB) DDR4-2666 ECC Reg.(Max. 2TB, 24DIMMs)
SSDs	4x 960GB SSD 2.5"
RAID	Onboard SATA3 (6Gbps); RAID 0, 1, 10 (RAID 5 Windows only)
GPU	4x NVIDIA Tesla V100 GPU 32GB HBM2-SXM2 FF (NVLINK) (Server should have facility to install up to 8x NVIDIA Tesla V100 32 GB HBM2-SXM2 GPUs)
NIC	Dual Port 10GBase-T from Intel X540 Ethernet Controller Onboard
IPMI	IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Onboard
VGA	ASPEED AST2500 BMC Onboard
Exp. Slots	4 PCI-E 3.0 x16 (LP, GPU tray for GPUDirect RDMA) slots and 2 PCI-E 3.0 x16 (LP, CPU tray) slots or up to 8x 2.5" NVMe Storage Devices
Ports	2 RJ45 10GBase-T LAN ports, 1 RJ45 Dedicated IPMI LAN port, 2 USB 3.0 ports (front), 1 VGA Connector
Chassis	4U Rackmountable (16 Hot-swap 2.5" SAS/SATA drives (Optional 8x NVMe drives supported), 2 NVMe based M.2 SSD)
P. Supply	2200W Redundant (2+2) Power, Supplies; Titanium Level (96%+)
OS	1 x Windows 10 PRO 64 Bit
Patch cord	3m length
Application	Should support GPU accelerated applications e.g. AMBER, GAUSSIAN, GROMACS, NAMD etc
UPS	5 KVA online UPS with 1 Hour battery backup.
Additional HDDs	4x 1.2 TB 2.5" SAS HDDs.
Warranty	3 Years on-site warranty.