

Compute Head Node		Summary
1	(SMC int) Supermicro Server 6028U-TRT+	Server Enclosure
2	Intel Xeon E5-2650v4, 2.2GHz (12-Core, HT, 30MB Cache, 105W)	2 x Intel Xeon 12 core
8	Micron 16GB DDR4-2400 Reg ECC 1R x4 1.2V	128 GB Ram
1	Mellanox ConnectX-4 VPI EDR InfiniBand and 100GbE Network Adapter, Single-Port QSFP28, PCIe 3.0 x16	Fiber Adapter 100 Gbps
2	Seagate 480GB Nytro XF1230 eMLC (6Gb/s, 0.67 DWPD) 2.5" SATA SSD	2 x 480 GB SSD = 960 GB
4 Compute Nodes		
4	Supermicro Server 6028U-TR4T+	4 Server Enclosures
8	Intel Xeon E5-2650v4, 2.2GHz (12-Core, HT, 30MB Cache, 105W) 14nm	8 x Intel Xeon 12 core (2 per server)
32	Micron 32GB DDR4-2400 Reg ECC 2R x4 1.2V LRDIMM	1,024 GB Ram (256 GB per server)
4	Mellanox ConnectX-4 VPI EDR InfiniBand and 100GbE Network Adapter, Single-Port QSFP28, PCIe 3.0 x16	Fiber Adapter 100 Gbps
12	 	12 x 240GB SSD = 2.81 TB (720 GB per server)
8	NVIDIA Tesla K80 GPU, 24GB GDDR5, 300W, PCIe 3.0 x16 - Passive Cooling	8 x Nvidia Tesla K80 GPU (2 per server)
Rack Infrastructure		
1	APC NetShelter SX 24U Standard Rack Enclosure, 600mm (W) x 1070mm (D) - Shock Pallet Included (1250lbs)	Server Rack
1	Mellanox SB7800 Switch-IB2 EDR InfiniBand Switch, 36-port QSFP28, 2PS - MANAGED (2048 Nodes)	Infiniband Cluster Interconnect Switch
1	HP 1920-24G 1GbE Switch, 24-port RJ45 and 4-port SFP, 1PS	External Ethernet Switch
Storage Head Node		
1	Supermicro 6028U-TR4T+	Server Enclosure
2	Intel Xeon E5-2637v4, 3.5GHz (4-Core, HT, 15MB Cache, 135W) 14nm	2 x Intel Xeon 4 core
16	Micron 32GB DDR4-2400 Reg ECC 2R x4 1.2V LRDIMM	512 GB Ram
1	Mellanox ConnectX-4 VPI EDR InfiniBand and 100GbE Network Adapter, Single-Port QSFP28, PCIe 3.0 x16	Fiber Adapter 100 Gbps
2	HGST 100GB Ultrastar MH.B MLC (12Gb/s, 25 DWPD, Crypto Erase) 2.5" SAS SSD	2 x 100 GB SSD = 200 GB
2	HGST 400GB Ultrastar MM MLC (12Gb/s, 10 DWPD, Crypto Erase) 2.5" SAS SSD	2 x 400 GB SSD = 800 GB
Storage JBOD		
1	Supermicro 846BE2C-R1K03JBOD	Server Enclosure
12	Seagate 2TB Enterprise Capacity 3.5 HDD V.5 (12Gb/s, 7.2K RPM, 128MB Cache, 512n) 3.5-inch SAS	12 x 2 TB HDD = 24 TB