

Key Features

Two systems (nodes) in a 1U form factor. Each node supports :

1. Dual Intel® 5500 series Xeon® Quad/ Dual-Core, with QPI up to 6.4 GT/s
2. Up to 144GB** DDR3 1333/ 1066/ 800MHz ECC Registered DIMM / 24GB Unbuffered DIMM
3. 1 (x4) PCI-E 2.0 (Low Profile)
4. Integrated IPMI 2.0 with KVM and Dedicated LAN
5. Intel® 82576 Dual-Port Gigabit Ethernet Controller
6. 4x Hot-swap 2.5" SATA Drive Bays
7. 1200W Gold-level High-efficiency Power Supply
8. Mellanox ConnectX QDR Infiniband 20Gbps Controller



Processor / Cache		Per Node
Processor	Dual Intel® 5500 series Xeon® Quad/Dual-Core Processors	
System Bus / QPI	with QPI up to 6.4 GT/s	
Key Application		
HPC Cluster Computer Nodes, Data Center, Data Farm		
Chipset / Serverboard		Per Node
		Intel® 5520 (Tylersburg) chipset
System Memory		Per Node
Memory Capacity	Supports up to 144GB** 1333/1066/800MHz DDR3 ECC Registered memory	
Expansion Slot		
PCI-Express: 1 (x16) PCI-E (Low Profile)		
Integrated On-Board		Infiniband: Mellanox ConnectX QDR Infiniband 20Gbps Controller
SAS / SATA	Intel ICH10R SATA 3.0Gbps Controller. Supports RAID 0,1,5,10	
LAN	Intel® 82576 Dual-Port Gigabit Ethernet Controller. Support for IPMI v2.0	
Graphics	Matrox G200eW 16 MB DDR2	
RAID Card		
-		
Add-on Card		
-		
Drive Bays		Per Node
HDD Drive	Supports 4x 2.5" Hot-swap SATA drives	
Peripheral Drive	-	
Power Supply		
1200W high-efficiency power supply with PMBus		
Cooling System		
6x Cooling Fans		
Form Factor		1U Rackmount
W x H x D	17.2" (437mm) x 1.7" (43mm) x 27.75" (705mm)	

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