



The Direct Connect Family of Departmental Supercomputers



True Symmetric Multi-Processing (SMP) supercomputers with large shared memories and single software images, these departmental supercomputers are perfect for Big Data, high-performance computing applications with large in-memory needs. The Direct Connect Family are right-sized, rack-mountable systems packed with up to 320 Opteron™ cores and 5 TB of RAM. Each family member is a shared memory supercomputer formed by direct infiniband interconnections and our patented breakthrough DSMP™ technology.


Features

- Affordable Supercomputing
- Single Shared Memory
- Single Software Image

Benefits

- Faster projects. It's yours! Use it often.
- Ideal for large in-memory databases, bioinformatics & engineering applications.
- Simple, Scalable SMP multi-threaded programming.

System Specifications

Processors:	8 to 20 AMD Opteron™ 6380s 128 to 320 cores
Memory:	2 TB to 5 TB RAM 1333Mhz/1600Mhz ECC DDR3
Storage:	12 to 30 Hot-Swap drive bays for 2, 3 or 4 TB 3.5" SAS or SATA drives
Environment:	Redundant 1200/1400 Watt High Efficiency (94% Platinum Certified) Power Supplies Front to back cooling
	
Dimensions:	Standard 19 in rack mountable 27.75 in (705mm) deep 4, 6, 8 and 10U (3.5 in, 89 mm) heights
I/O:	1 Gbps Ethernet (2) 10 Gbps Ethernet (optional) 56 bps FDR Infiniband (optional) IPMI 2.0 with dedicated LAN
Software:	Linux support (OpenSUSE 11.4, Centos 6.5) DSMP™ Distributed Symmetric Multi-Processing™, OpenMP, Pthreads, MPI, SysV IPC

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