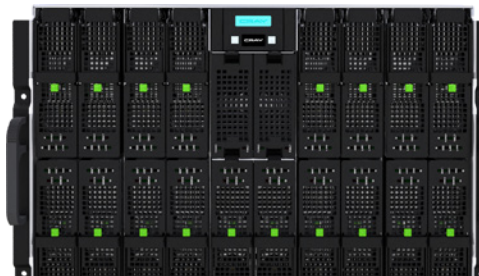


CRAY CX 1000

Cray CX1000-C™ Chassis

- Two high frequency Intel® Xeon® 5600 series processors (up to 2.93 GHz)
- Large memory capacity (up to 48GB memory per blade with 4GB DDR3 DIMMs)
- One SATA HDD or one SSD drive or diskless



Cray CX1000-C™ Chassis

The compute-based Cray CX1000-C chassis includes 18 dual-socket Intel Xeon 5600 blades, with an integrated 36-port QDR InfiniBand switch and a 24-port Gigabit Ethernet switch – all in 7U. With support for Windows® HPC Server 2008 or Red Hat Linux via the Cray Cluster Manager, the Cray CX1000-C chassis provides outstanding support for ISV applications as well as dual-boot capability for ultimate application flexibility.

- Two high frequency Intel Xeon 5600 series processors (up to 2.93 GHz)
- Large memory capacity (up to 48GB memory per blade with 4GB DDR3 DIMMs)
- One SATA HDD or one SSD drive or diskless

CX1000-C Chassis Specifications

Form Factor	Chassis	Rack mount 7U chassis
	Blade	18 blades per chassis
Management	Chassis Management Module (CMM)	1 Chassis Management Module (CMM) including: • OPMA board with a microcontroller for drawer management • 24-port 1Gb Ethernet switch / 3 of which are external ports connected to the Ethernet switch • LED for status indicators
	Display	Local Control Panel display on chassis front
Power supply		• Consumption: typical 6.5 KW, max 8.2 KW • 4 hot-swap power blocks (PSU) • N+1 redundancy on power
Cooling		2 fan blades per chassis + 2 fans per server blade
Interconnect	InfiniBand Switch Module (ISM)	Module with 36 QDR ports
Network	Ethernet Switch Module (ESM)	1Gb Ethernet Switch Module for backbone access (optional)
Midplane		Passive board consisting of connectors for 18 server blades, 2 fan blades, ISM, UCM, CMM, ESM, PSUs
Ultracapacitor	Ultra Capacitor Module (UCM)	Ultra Capacitor Module to offset power outages up to 250ms (optional)
Physical specifications	Drawer size (H x W x D)	31.1cm (7U) x 48cm (19") x 74cm (29")
	Weight	126 kg (full, maximum weight with all options)
OS & Cluster Management Software	Windows Server Support	Microsoft® Windows HPC Server 2008
	Linux Support	Red Hat Enterprise Linux 5 & Cray Cluster Manager

CX1000-C Single Compute Blade Specifications (up to 18 blades per chassis)

Form Factor		Single-width blade
Processors		2 quad core Intel Xeon 5600 series processors up to 2.93 GHz (8MB shared L3 cache)
Architecture	Chipset	Intel S5520 chipset (Tylersburg IOH-24D) with QPI up to 6.4GT/s
Memory	Memory slots (number, type)	12 DDR3 DIMM sockets
	Memory max	Up to 48GB Reg ECC DDR3 1333MHz (with 4GB DIMMs)
InfiniBand		ConnectX adapter providing single QDR IB channel
Management		Integrated Baseboard Management Controller (BMC)
Ethernet		1Gb dual-port Ethernet controller for the links to CMM and ESM
Storage devices	Disk Drives	1 SATA HDD or 1 SSD drive or diskless
Safety	Regulatory compliance	CE (UL, FCC, RoHS)