



Host Connection Ports

Data single path bandwidth	4Gb/s
Tag command queuing	256
SFP ports (optical Fibre)	2 or 4

Disk Interface

Drives	(16) Sixteen Fibre Channel 4Gbps Drives per enclosure 36/73/147/300GB Fibre Channel Drives
Total Capacity w/Expansion	67TB using 300GB Fibre Channel Drives

Fibre Channel Specifications

Host/drive interface	4Gb Fibre Channel
Channel numbers	6 (single or dual-redundant) to 12 (dual-redundant)
Drive connections	up to 224

Subsystem Characteristics

800MHz PowerPC GL RISC CPU, 1MB L2	
ASIC400 RAID engine	
Up to 2GB cache per controller	
FC SFP ports	12
Default DDR cache memory (per controller)	12MB
10/100 Ethernet port (per controller)	1
COM ports (per controller)	2
PSUs	2
Cooling modules	2

Environmental Specifications

Temperature:	Operating: 0° to 40°C (32° F to 104° F) (without BBU)
	Operating: 0° to 35°C (32° F to 95° F) (with BBU)
	Non-operating: - 40° to 60°C (-40° F to 140° F)
Relative humidity:	- 40° to 60°C
	Non-condensing : 5% to 95%
Altitude:	Operating: 0 to 12,000 ft
	Non-operating: 0 to 40,000 ft

Storage System Features

- Single/Dual Redundant Hot Swappable Controller
- RAID levels 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60, NRAID
- Up to 32 logical drives (varied by memory size)
- Up to 1024 LUNs (varied by memory size)
- On-line RAID expansion
- Multiple RAID sets
- Multiple LUNs
- UPS status detection
- Cluster ready
- Hot swap disk drives
- Background rebuild/scan/initialization
- Global hot spare disks
- Automatic drive failure detection and rebuild
- Automatic reallocation of bad sectors
- Dual-Redundant, Hot Swappable Components
- LUN Masking
- Synchronized Cache between controllers
- Cache Battery Backup

Management

In-band	Yes
Out-of-band	Firmware-embedded utility over RS-232; Java-based RAIDWatch manager over an integrated Ethernet port
Software	RAIDWatch: Java-based, OS independent; sub-modules include Event Monitor, a monitoring utility running independently

Dimensions

- 3U, 19-inch rackmount chassis
- Without handles: 17.5 x 1.7 x 20.1 inches
- With handles: 18.8 x 1.7 x 20.1 inches

This product is available with:



All X-Class systems are StorageWatch® capable allowing users to reduce both infrastructure TCO and organizational operating costs associated with today's business of data assets and intelligence ensuring long term organizational growth.