



Features

- High drive packing density (16 drives in 3U/5.25")
- Supports FC-AL 2 at 1Gb or 2Gb/s
- Drive cooling provided by 4 Centrifugal blowers
- FCC class A,UL,cUL,and CE mark
- Dual PSUs with Power Factor Correction & auto ranging
- -48VDC PSU option for Telco applications
- No active data path components on the midplane
- Operator panel with Enclosure ID selection,status indicators and configuration switches
- Fault Indicators and audible alarm for power,cooling, system faults,loop speed and hub configuration
- Suitable for standard 19"rack or Telco style center of gravity mounting
- All components hot swap,concurrently maintainable for maximum availability
- Dual redundant feature select module

Overview

The FibreNet 1600-FC is a 2Gb Fibre Channel RAID disk array. Providing 16 disk drives in just 3U of 19" rack space. With two additional 146GB, one-inch high disks in the same physical space as the nearest similar competitor, they offer a total capacity per enclosure of 2.336 TB. In a 38U high rack fully populated with 12 enclosures, this translates to over 3.5 TB more storage in the same floor space making the FibreNet 1600-FC solution ideal for use where square footage is at a premium such as disk farms for Internet and Storage Service Providers.

Architecture

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The 2Gb Fibre Channel interface provides a 360MB/s available transfer rate to the disk drives and is backward compatible with 1Gb Fibre Channel drives, protecting the customer's legacy investments. Dual paths to all devices ensures that the customer's data is protected from channel failures and high availability is achieved by utilizing fully redundant, hot-swappable disk drives, Fibre Channel loop resiliency modules, power supplies and fan assemblies.

- FC-AL Single loop 1Gb, with DB9 or SC Optical connections.
- FC-AL Single or Dual Loop 1Gb/2Gb, with Small Form Factor Pluggable (SFP) interfaces providing LC Optical (and HSSDC-2 Cu when available)
- RAID: full function 1Gb/1Gb (Single or dual controllers with integrated Hub function for failover)
- RAID: full function 2Gb/2Gb with dual host ports per controller, single or dual controllers, and integrated hub function

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FibreNet 1600-FC

Feature Modules

- All modules incorporate enclosure management and status reporting via SES (SCSI Enclosure Services)
- Dual redundant master/slave SES with two I/O modules installed
- FRU Fault indicators

JBOD Feature Modules

- 1Gb LRC -single or dual Sixteen drive loop(s)
 - ~2x DB9 or 1x DB9 and 1x SC Optical connectors
- 1Gb/2Gb LRC (single or dual loop)
 - User Configurable as a 2x8 drive or 1x16 drive loop(s)
 - 4x Small Form Factor Pluggable (SFP)modules per I/O Module
 - LC Optical or HSSDC-2 Cu*modules
 - 1Gb 1x2 RAID controller (one or two)

JBOD Feature Modules

- RAID levels 0,1,0+1,3,5,10,30,50 and JBOD
 - GBIC Cu or Optical interface
 - Max 112 drives per system
 - Up to 16.4 TB capacity with 146GB drives (15.3TB RAID 5 protected)
- 1Gb/2Gb 2x2 RAID controller (one or two)
 - RAID levels 0,1,0+1,3,5,10,30,50 and JBOD
 - 2 x SFP LC Optical or Cu*2Gb Interface
 - 2 x 1Gb or 2Gb/s Drive loops
 - 350+MB/s performance
 - Max 112 drives per system
 - Up to 16.4 TB capacity with 146GB drives (15.3TB RAID 5 protected)
- 10/100 Ethernet outbound management port

Specifications

Height: 3U (5.25in)

Width: 19inch IEC Rack compliant

Depth: JBOD and 1Gb RAID 500mm,
2Gb RAID 600mm (max)

Weight: 35kg

Power: Max 450W

Voltage: 110 to 260V AC Single Phase 48-62 Hz or -
48VDC

Acoustics: Less than 6.0 B LwA @20 °C

Temperature Operational: 5 to 40 °C,20 to 80%Humidity

Altitude: 0 to 2133m (0 to 7,000 ft)

Operational Shock: 5g 10ms 1/2 Sine

Operational Vibration: -0.21 grms 5-500Hz Random

Non-Op Shock: 30g 10ms 1 /2 Sine

Non-Op vibration: -1.04 grms 2-200Hz Random

Relocation Vibration: -0.3g 2-200Hz Sine

**Copper SFP (HSSDC-2)connectors when available.*

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