

## 4700F 2Gb FC-SATA RAID



**The 4700F Fibre Channel series provides industry leading performance and delivers powerful, high capacity storage solutions for small and medium businesses.**

The 4700F Fibre Channel series offers economical, high performance storage solutions for small and medium businesses (SMB) by combining the cost effective Serial ATA (SATA) technology with Fibre Channel performance. The 4700F series delivers high capacity, availability and ease of use to meet the demands of today's customers requiring high data throughput for applications, such as video editing and medical imaging.

The highly functional 4700F supports SAN and direct attached storage environments as well as today's leading operating systems including Windows and Linux. Scalable up to 100.8TB of SATA disk storage, the 4700F delivers a highly expandable solution guaranteed to keep pace with SMBs' rapid business growth. In today's data intensive business environment, customers seek storage solutions with:

- Minimal set up time
- Plug and Play capabilities
- Business savings
- Improved connectivity

The 4700F supports these features which clearly make it a highly functional, cost effective solution than other systems in its class. Dynamic Provisioning offers the ability to expand an array or logical drive on the fly with no downtime, ensuring that customers save time while the storage remains accessible.

Based on Xyratex's core technology foundation including the powerful StorView® Management Suite, the 4700F series ensures maximum utilization and control over your storage environment. The 4700F allows small and medium businesses to benefit from its economical value, flexibility and robust functionality.

### Features

- 2Gb Fibre Channel supports SAN and direct attached environments for flexibility
- Cost effective, high capacity Serial ATA drives deliver optimal price/performance
- Scalable storage architecture supports rapid business growth
- StorView Management Suite provides maximum utilization
- High capacity and performance supports high bandwidth and performance driven applications
- Built-in performance analysis delivers optimal storage tuning
- Dynamic Provisioning provides online array and LUN expansion for business continuity
- Redundant, hot swappable components improve availability
- Web based configuration guarantees fast set up and deployment
- Ease of use management features reduce operational costs

## Technical Specification

### General Information

<b>Host Interface</b>	Two 2Gb Fibre Channel ports (SFF), 200MB/s throughput per channel (400MB/s full duplex). Supports point-to-point, loop and fabric (switched) topologies
<b>Drive Interface</b>	Serial ATA (SATA), 12 Drives per System
<b>Hot Swap Components</b>	Disk Drives, RAID Controller, Power Supplies and Cooling Fans
<b>Redundant Components</b>	Disk Drives, Power Supplies (optional 2nd Power Supply for N+1), and Cooling Fans
<b>Error/Status Reporting</b>	SCSI Enclosure Services (SES) Interface
<b>Cache Memory</b>	512MB or 1GB
<b>Dynamic Cache Tuning</b>	Yes
<b>Variable Stripe Size</b>	Yes
<b>Volume Sharing</b>	Yes
<b>Number of LUNs</b>	512
<b>LUN Expansion</b>	Up to 16 segments per LUN
<b>Drive Support (SATA)</b>	36GB and 74GB (10,000 RPM), 120GB, 160GB, 250GB, 300GB and 400GB (7,200 RPM)
<b>Maximum Capacity</b>	<b>System:</b> 4.8TB (12 x 400GB) <b>Rack:</b> 100.8TB in one 42U rack

### Dimensions

<b>Height</b>	88mm (3.4") 2 EIA units
<b>Width</b>	448mm (17.6") 1EC rack compliant
<b>Depth</b>	524mm (20.64")
<b>Weight</b>	15.9kg (35lbs)

## RAID Protection Feature

- Supports RAID levels: 0, 1, 5, 10, and 50, and multiple RAID sets, host, LUNs and SAN LUN mapping
- Support for multiple local or global spares with automatic disk drive rebuild for continuous data protection
- Write cache protection with integrated battery backup unit
- RAID configuration is written to the disk drives and is exportable to a host file for easy configuration replication
- Built-in LUN assignments for volume sharing

## StorView® Management Suite

Host based versions for local or remote configuration and monitoring.

### Power

<b>Input Voltage</b>	Auto-Sensing 85 - 264 VAC (load balancing with redundant power supplies)
<b>Input Frequency</b>	47 - 63 Hz
<b>Maximum Input Current</b>	4.5 Amps at 85 VAC, 1 Amp at 264 VAC
<b>Power Supply Rating</b>	Redundant (optional) 350-watt (425-watt peak) hot-swappable power supplies with current sharing
<b>Maximum BTUs per Hour</b>	1,194 BTUs per system
<b>Power Source</b>	2 US standard independent power cords

### Certification Compliance

<b>Emissions</b>	FCC Part 15 Class A, CISPR 22, EN55022-A, BSMI, VCCI, C-TICK
<b>Agency Certification</b>	CAN/CSA C22.22 #60950-00, UL 60950 3rd Edition, CB IEC 60950 Edition 3
<b>CE Compliance</b>	89/336/EEC EMC Directive, EN 55024

### Warranty Information

**Enclosures with drives** Up to 3 years  
Please contact Xyratex for detailed warranty information.

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