



NexStor® 4700F

RAID Storage Solution

2-Gbit Fibre Channel to Serial ATA



Features and Benefits:

- Ideal for configurations demanding high-bandwidth or performance-driven applications, such as video editing or digital imaging
- Dynamic Provisioning, “on the fly” array and LUN expansion
- Built in performance analysis for storage tuning
- Utilizing high-capacity, cost-effective Serial ATA drives
- Intuitive StorView storage management software ensures maximum utilization and control over your storage environment
- 2Gbit Fibre Channel connectivity supports SAN and direct attachment
- Simplified management with troubleshooting and debugging features further reduce operational costs

Industry Leading Performance

The NexStor 4700F Fibre series provides industry-leading performance to deliver a powerful, high-capacity storage solution for small to medium configurations.

The NexStor 4700F Fibre Series offers an economical storage alternative for entry and mid-range configurations, without forgoing the features and functionality of Fibre Channel based systems. Taking advantage of tremendous advancements in SATA drives, the NexStor 4700F series offers capacity, reliability and ease-of-use to meet the demands of today's users with high data throughput requirements, such as video editing or medical imaging.

Similar to its predecessors, the 4700F supports a wide range of operating systems to include Windows, Linux and Sun. With low cost of ownership and advanced data protection, the NexStor 4700F series provides advanced Sub-Array Support with the ability to handle small configurations cost effectively and the ability to grow with a business's needs. In today's data intensive business environment, customers seek systems with:

- Minimal set up time
- Plug and play capabilities
- Ability to save money
- Improved connectivity

The NexStor 4700F bears a number of these features that clearly make it a more cost-effective solution than other systems in its class. Dynamic Provisioning offers the ability to expand an array or LUN on the fly with no down time, ensuring that customers save time while the storage remains accessible. Based on nStor's core technology foundation including the powerful StorView management software, the 4700F series ensures maximum utilization and control over your storage environment. The 4700F allows businesses both large and small to benefit from its lower cost, flexibility and robust functionality.

To learn more about the NexStor 4700F or to see our wide range of storage solutions, visit our website at: www.nstor.com



www.nstor.com

SIMPLIFYING STORAGE SOLUTIONS

NexStor® 4700F

Fibre Channel RAID Array

Technical System Specifications

Host Interface	Two 2Gbit (200 MB/s) Fibre Channel (support for Fabric N_Port and NL_Port, and FC-AL) with on-board Optical connectors
Host Channels	1 or 2-Gbit Fibre Channel
Drive Channels	12 independent SATA channels
Hot-Swap Components	Hard drives, RAID controllers, power supplies and cooling fans
Redundant Components	Hard drives, power supplies (optional), and cooling fans
Error Notification (SES/SEI)	Audible alarm, status LEDs, in-band SAF-TE, and network messaging
SAT-TE Compliance	Yes
Number of RAID Controllers	One 2-Gbit Fibre Channel (two host connections)
Cache Memory	Up to 1GB
Dynamic Cache Tuning	Yes
Variable Stripe Size	Yes
Volume Sharing	Yes
Number of LUNs support	512
LUN Expansion	Up to 16 segments per LUN
Drive Support (SATA)	36 GB, 74 GB, 80 GB, 120 GB, 160 GB, 200 GB, 250 GB, 400 GB (7,200 and 10,000 RPM)
Maximum Cap/Enclosure	4.8TB (12 x 400 GB)
Maximum Cap/Data Center Cabinet	96TB in one 42U rack

RAID Protection Features

- Multiple RAID array support with independent RAID level 0, 1, 5, 10, and 50 configurations
- 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
- Exclusive, read-only or read/write LUN assignments for volume sharing

Power Requirements

Input Voltage	Auto-sensing 85 – 240 VAC (load balancing with redundant power supplies)
Input Frequency	50 – 60Hz
Maximum Input Current	3 Amperes at 110v, 1.5 Amperes at 220v
Power Supply Rating	Redundant (optional) 350 watt (425 watt peak) hot-swappable power supply units with Power Factor Correction (PFC)
Maximum BTUs per Hour	1,194 BTUs per system
Power Source	US standard independent power cords

Certification Compliance

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

Physical Characteristics

	Rackmount	Deskside Tower
Width	17.65" (44.8 cm)	8.0" (20.3 cm)
Length	20.25" (51.4 cm)	21.5" (54.6 cm)
Height	3.47" (8.8 cm) (2U)	20.0" (50.8 cm)
Weight	39 lbs. (17.6 kg) (without disk drives)	48.5 lbs (22 kg) (without disk drives)

Warranty

Three-year return to factory hardware warranty with toll-free, 8/5 technical support; and 90-day software warranty. Optional on-site services, remote diagnostics, and hardware and software post-warranty coverage available.

Storage Management

StorView® Local manager Utility for local in-band GUI configuration only
StorView Global Manager (optional) for local and remote in-band GUI management and alert notification
VT-100 Command Line Interface for local out of band CLI configuration only



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