

Infotrend EonStor® Fibre-Fibre Series



Highlights

Performance

- Combining 8Gb/s or 4Gb/s host FC ports with enterprise-class FC drives to deliver breakthrough performance

Scalability

- Up to 224 drives through expansion enclosures housing FC or SATA drives

Reliability and Availability

- High Availability (HA) modular design achieves high fault-tolerant capability against hardware component failure
- Hardware RAID protects data against drive failure
- CacheSafe technology protects cached data during an unscheduled power outage

Management

- Simple configuration, management and monitoring via SANWatch

Green

- 80 PLUS-certified power supplies delivering more than 80% energy efficiency
- Dynamic cooling mechanism
- Intelligent multi-level drive spin-down

Infotrend's Fibre Channel (FC) storage systems are designed to support a reliable and easy-to-manage SAN for throughput-demanding applications. Featuring blazing performance, flexible scalability, robust availability and advanced technology, they help users meet datacenter demands in the most cost-effective way.

High-speed SAN with Powerful Scalability

Combining high-speed FC technology with enterprise-class FC drives, Infotrend's Fibre-to-Fibre systems can enable no-delay, smooth operations to satisfactorily meet the service levels required by throughput-demanding applications. When data grows out of the capacity threshold of a single subsystem, the systems can be expanded to house a maximum of 224 drives through expansion enclosures housing FC or SATA drives. By flexibly mixing high-performance and large-capacity storage, you can most efficiently leverage your budgets to fulfill various data requirements. Coupled with the broad support for enterprise-level OS and server virtualization, the Fibre-to-Fibre systems can serve as data storage for top-tier applications.

Robust Availability and Reliability

Infotrend's EonStor Fibre-to-Fibre systems are based on High Availability (HA) modular design. Hardware modules, including power supplies, and cooling fans, come in redundant pairs to achieve high fault-tolerant capability. The systems also provide comprehensive RAID functions to protect data against drive failure. If one or two drive fail(s), you can still enjoy continuous access to the data with full integrity and later use hot spare to restore the data volume back to its RAID-protected state. To better safeguard cached data, CacheSafe technology is implemented. In the event of an unscheduled power outage, the Battery Backup Unit (BBU) will automatically supply power to write cached data into flash module for permanent retention, which eliminates the common 72-hour battery power limitation that can cause data loss.

Easy Management

Through the feature-rich management suite, SANWatch, users can centrally manage multiple EonStor subsystems locally or remotely over LAN/WAN. In the portal window, an overview of all subsystems is displayed to provide status summary and event info. With only a few clicks, you can easily access the functions necessary to configure, manage, and monitor the arrays. Besides providing all firmware features through a user-friendly GUI, SANWatch also supports script-based configuration of multiple subsystems at a time. When critical events happen, the system will automatically notify you through various configurable methods for pro-active handling. With SANWatch, initializing EonStor arrays for applications and monitoring their real-time status changes are easy tasks.

Green Technologies

Aware of the important role green IT plays in environmental sustainability, Infotrend equips its EonStor models with advanced power-saving designs. Coming with 80 PLUS-certified power supplies delivering more than 80% energy efficiency, dynamic cooling mechanism and intelligent multi-level drive spin-down technology, the EonStor systems achieve outstanding energy efficiency. While benefiting the environment, the green initiatives also enhance business advantages with reduced energy expenses.

	ES F16F-R4840	ES F16F-S4840	ES F16F-R4031-6 ES F16F-S4031-6	ES F16F-R4031-4 ES F16F-S4031-4
Hardware Configurations				
Storage Controller	Dual redundant	Single, upgradable to dual	Dual redundant or single ¹	
No. of Host Channels	4 (8Gb/s FC)	2 (8Gb/s FC)	4 or 2 ² (4Gb/s FC)	2 ² (4Gb/s FC)
Cache Memory (per controller)	Default 1GB, up to 4GB		Default 512MB, up to 2GB	
No. of Drives (4Gb/s FC)	16			
Max. No. of Drives (via SBOD)	112		224	112
Expansion Enclosure (SBOD)	ES F16F-J4000-R ES A16F-J2430-G			
No. of Drive Expansion Ports (4Gb/s FC)	4		4 or 2	2
Power Supplies	Two redundant 530W			
Cooling	Cooling modules housed within the power supply units			
Dimensions ³	3U, 19-inch rackmount			
Technical Highlights				
Green	80 PLUS-certified power supplies delivering more than 80% energy efficiency; dynamic cooling mechanism; intelligent multi-level drive spin-down		Dynamic cooling mechanism Intelligent multi-level drive spin-down	
RAID Configurations	RAID level 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60 Up to 32 logical drives and 64 partitions per logical drive Up to 1024 LUNs			
Availability and Reliability	Redundant, hot-swappable hardware modules; Multi-pathing support (EonPath); Device mapper support; CacheSafe technology protects cached data during power outage by flushing data into flash memory		Redundant, hot-swappable hardware modules Multi-pathing support (EonPath); Device mapper support	
Management	SANWatch management suite; Embedded RAIDWatch; Terminal via RS-232C; Telnet/SSH; LCD keypad panel			
Notification	Email, Fax, LAN broadcast, SNMP traps, SMS, MSN messenger			
OS Support⁴	Windows Server 2003, Windows Server 2008 (including Hyper-V), Red Hat Enterprise Linux, SUSE Linux Enterprise, Sun Solaris, Mac OS X, VMware			
Service and Support	3-year limited warranty Optional warranty upgrades available			

1. Single-controller models can be upgraded to dual-controller models.

2. If the default hub function is disabled on dual-controller models, the no. of host channels can be doubled.

3. For detailed dimensions, please check Infotrend website.

4. For the latest compatibility details, please contact our sales representatives.

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