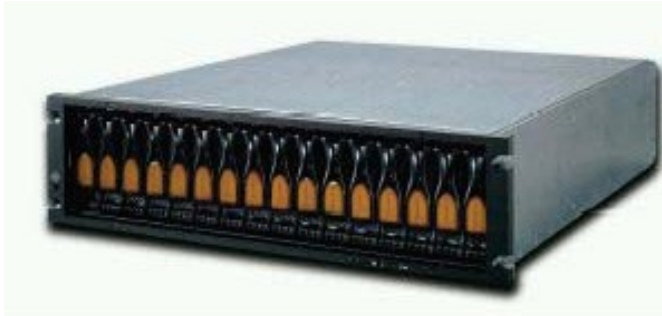


RAIDFLEX™ N-Class FC - FC / SATA RAID



The **RAIDFLEX N-Class** is a 4Gb/s Fibre Channel hosted storage system, offering enterprise-class storage. With FC host connectivity and Fibre Channel and / SATA drives, it is designed to offer data consolidation, high availability, performance and scalability.

Dual-active controllers and up to 16 disk drives are integrated within a 19" 3U, rack-mountable enclosure with either 4 or 8 x 4Gb/s FC host ports and 4 x 4Gb/s FC expansion ports, up to 4GB of battery-backed, mirrored cache. Up to 6 additional 16-bay JBOD expansion units may be attached for a total capacity of 112 drives.

An entry-level model is available with 2GB of controller cache, 4 host channels and a lower overall controller performance. The controllers may be upgraded to the higher performance units while leaving the data on the drives intact.

The management software configures and administers the N-Series storage system, enabling storage administrators to achieve maximum capacity utilization through extensive configuration flexibility and custom performance tuning. The software allows continuous access to user data during administrative tasks, including configuration, reconfiguration, expansion and maintenance of the system. It also lowers storage management costs through centralized management of all N-Series systems, run-anywhere flexibility, a common interface across all operating systems and fully integrated premium features.

Volume Snapshot creates capacity-efficient, point-in-time volume images, providing a logical volume for such uses as file restoration and backup.

Volume Copy creates copies of volumes which may be assigned to any host for testing, development, information analysis or data mining.

Remote Volume Mirroring replicates data to remote systems.

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Applications	Features
<ul style="list-style-type: none"> ● Enterprise storage ● Storage Area Networks ● Data streaming applications ● High Definition Video ● Regulation compliance storage 	<ul style="list-style-type: none"> ● Redundant Dual Active-Active controllers ● Daisy-chain JBOD expansion (120 disks) ● Fibre Channel and / or SATA drives ● RAID levels 0, 1, 0+1, 3, 5, 6 ● Snapshot, Volume Copy, Remote Mirror



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4Gb Fibre Channel	
Models	
Designation	N8316f4-rc4: Dual Active 4Gb Fibre Host (2 ports / controller) N8316f4-rc8: Dual Active 4Gb Fibre Host (4 ports / controller)
General	
Capacity (up to)	4.8TB (FC HDD) / 16TB (SATA HDD)
Supported OS	Windows 2K, 2K03, Linux , NetWare, Solaris, AIX, HP-UX, IRIX
Powerconsumption	600 Watts (+ 5V @ 19A/+12 V @ 35A)
Performance	
Maximum burst I/O	120,000 IO/s
Maximum sustained I/O read	44,000 IO/s
Maximum sustained read	990 MB/s
Connections	
Host Channels	2x 4Gb FC ports / controller) 4x 4gb FC ports / controller
Ports	2x management (RJ45) and 1x diagnostic (PS2) per contoller
Expansion Ports	2 x 4Gb FC (per controller)
Maximum enclosures	7 enclosures
Maximum drives supported	112 drives
Drive Channels per enclosure	16 x FC
RAID Controller	
No. of Controllers	2 x Active Active
Processor	Intel X-Scale (667 Mhz)
Memory	Standard 1GB per controller Standard 2GB per controller
Cache Battery Backup	Optional
RAID levels	0, 1, (1+0), 3, 5, 6
RAID sets	Maximum 16
High Availability features	Automatic drive failure detection and rebuild, global hot spares, Automated I/O path failover and online administration, Mirrored cache with battery backup, Metadata on all drives.
Hot Swap Components	
Controller	Redundant hot-swappable controllers
Hot swap trays	16 x FC
Power Supplies	2 x 600 W
Cooling Fans	2 x Turbo Fan
Management	
Monitoring Messaging	Buzzer, email, SNMP
Physical	
Dimensions (WxDxH) in mm	448 x 564 x 130
Weight, unpacked, no drives	32kg
Environmental	
Temperature	Operating 10°C to 35°C
Humidity	10~85%, non-condensing
Designed to meet	
Quality standard	ISO9001
Health and Safety	UL, CSA, IEC, EN60950, NEMKO
EMC	FCC Class A, VDE, CISPR, VCCI
NEBS Level	NEBS Level 3 compliant with optional air filter in the front bezel
RoHs and WEEE compliance	Yes