

Overview

XSI ViperStor Fibre-to-Fibre series features extraordinary scalability and high throughput, your demands for capacity and performance can be easily fulfilled.

Fully compatible with Enterprise Class FC drives for high performance and availability as well as cost effective SATA II hard drives. The storage capacity can be further expanded by connection via FC or SAS ports to expansion enclosures.

Systems are employed in server attached, network data storage and in major applications such as OLTP, ILM, CDP, VOD, MOD and applications that require high speed transactions. With advance features seen only in higher cost storage systems:

- . Single or dual active RAID controller configuration
- . Advance hardware ASIC RAID engine
- . FC / SAS links to expansion enclosures
- . S.M.A.R.T. support
- . Multiple host ports per controller
- . Intelligent load balancing between host port with multi-path software
- . Browser based management tool
- . Windows Logo Certificated

ViperStor subsystems are equipped with redundant and hot swappable components together with advanced monitoring management software to ensure data security and subsystem protection for continuous and reliable operation.



High Availability

- * Hot-swappable enclosure modules
- * Component redundancy
- * Intelligent reactive & preventive mechanisms
 - Automated cache flush
 - Automated Media Scan
 - Auto rebuild on hot spares
 - Automated caching mode switch
- * RAID controller transparent failover & fallback capability

Advanced RAID Features

- * RAID levels 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60
- * RAID Parity regeneration
- * 3 spare disk types: dedicated, Global, enclosure-specific
- * Instant array availability
- * Stripe size and caching mode configurable per logical drive
- * Online array expansion by adding drives or copying & replacing drives
- * Online disk cloning

Management

- * Browser-based RAID manager
- * Java-based RAID manager
- * LCD keypad panel
- * Terminal console via RS-232 port
- * Telnet

Monitoring

- * S.M.A.R.T. status pooling
- * Voltage, module presence, temperature monitoring
- * Automated FRU status pooling

Operation Robustness

- * Intelligent read algorithms
- * Write cache threshold purge
- * Bad sector reassignment
- * Configurable task priority
- * Multiple co-existing RAID arrays w/stripe sizes ranging from 16K to 1MB
- * Power saving Drive Spin-down options
- * RAID level migration
- * RAID configuration on drives (drive roaming)

JBOD Characteristics

- * Single controller
- * Redundant controller
- * Separate SAS domains to dual-ported SAS drives
- * Fault tolerant hardware
- * Diagnostic LED panel
- * Fault tolerant option for access from dual controller RAID
- * Loop switched w / access fairness
- * SES monitoring via in-band connection
- * Maximum 160 disks

OS SUPPORT

- . Microsoft Windows 2000 Server . Microsoft Windows 2003 Server
- . Sun Solaris ver. 9/10
- . RedHat Linux ver. 8/9, 64-bit, Enterprise ver.3
- . SuSE: Linux ver. 8/9, 64-bit
- . Fedora 64-bit
- . Mac OS X version 10.4

DRIVE INTERFACE

- . FC (4Gbps)
- . SATA II (3Gbps)

LUN CONFIGURATIONS

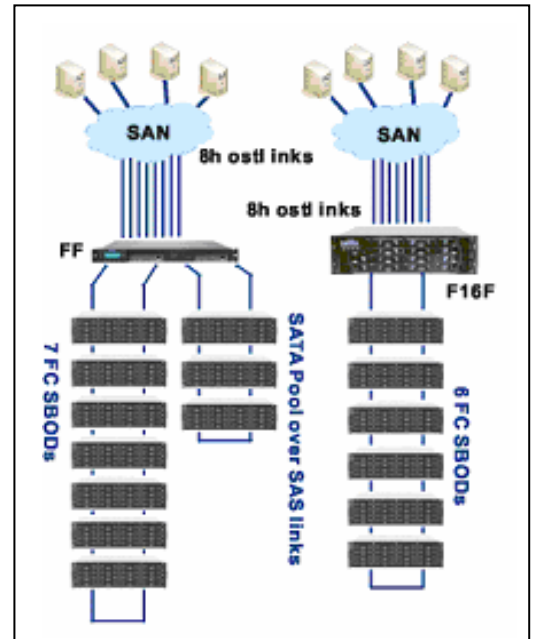
- . Up to 32 logical drives (varies by memory size)
- . Up to 1024 LUNs (varies by memory size)

APPROVALS

- . RoHS
- . China RoHS
- . Microsoft WHQL-Windows Server 2003 EMC
- . CE
- EN 55022: 1998/A1: 2000/A2: 2003 - EN 61000-3-2: 2000/A1: 2001 - EN 61000-3-3: 1995/A1: 2001 - EN 55024: 1998/A1: 2001/A2: 2003
- . FCC (FCC Part 15, subpart B)
- . BSMI (CNS 13438) Safety
- . UL (60950-1: 2003)
- . BSMI
- CNS 14336: 1993 IEC 60950-1, First Edition

MANAGEMENT SOFTWARE

- . Event notification methods:
E-mail/ Fax/ LAN broadcast/ SNMP traps/ SMS/ MSN



Model	Host Interface	Disk Bay	Disk Type	Redundant Controller (HA)	RAID 6 support	ASIC	Max. cache mem	Disk bay expansion
6300F F	4Gb FC	Yes	FC or SATA II	Optional	Yes	400	4GB	Optional
6316F F	4Gb FC	16	FC or SATA II	Optional	Yes	400	4GB	Optional



<p>SYDNEY Level 1 328 High Street Chatswood NSW 2067</p> <p>PH: 02 9496 1100 FAX: 02 9496 1189</p>	<p>MELBOURNE 22 Harker Street Burwood VIC 3125</p> <p>PH: 03 8831 3900 FAX: 03 9808 3086</p>	<p>BRISBANE Suite 20, Level 9 320 Adelaide Street Brisbane QLD 4000</p> <p>PH: 07 3010 9714 FAX: 07 3220 0191</p>	<p>CANBERRA Level 7 14 Moore Street Canberra ACT 2600</p> <p>PH: 02 6247 4166 FAX: 02 6247 4544</p>	<p>PERTH Unit 1 69 Hay Street Subiaco WA 6008</p> <p>PH: 08 9388 2315 FAX: 08 9388 2316</p>	<p>ADELAIDE 49A Barker Avenue Findon SA 5023</p> <p>PH: 08 8251 5777 FAX: 08 8244 1565</p>
---	---	--	--	--	---