

Overview

XSI ViperBlade products are widely employed in disk-to-disk backup, server attached and network data storage and in major industries such as data-mining, medical imaging, security/CCTV and digital media including video-on-demand, stream editing and more.

The ViperBlade SATA RAID subsystem is fully compatible with cost effective SATA II hard disk, offering tremendous storage capacity together with advance features seen only in higher cost storage systems.

- . Single or dual active RAID controller configuration
- . Advance hardware ASIC RAID engine
- . 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
- . Embedded, browser based management tool
- . Windows Logo Certificated

ViperBlade 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 & failback 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

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

- . 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
6208FA	4Gb FC	8	SATA II				2GB	
6212FA	4Gb FC	12	SATA II				2GB	
6316FA	4Gb FC	16	SATA II	Optional	Yes	400	4GB	
6324FA	4Gb FC	24	SATA II	Optional	Yes	400	4GB	Optional
6208UA	U320	8	SATA II				2GB	
6212UA	U320	12	SATA II				2GB	
6316UA	U320	16	SATA II		Yes	400	2GB	
6308SA	SAS	8	SATA II		Yes	400	2GB	
6312SA	SAS	12	SATA II		Yes	400	2GB	
6316SA	SAS	16	SATA II		Yes	400	2GB	
6212EA	iSCSI	12	SATA II				2GB	
6316EA	iSCSI	16	SATA II		Yes	400	2GB	



SYDNEY
Level 1
328 High Street
Chatswood NSW 2067
PH: 02 9496 1100
FAX: 02 9496 1189

MELBOURNE
22 Harker Street
Burwood VIC 3125
PH: 03 8831 3900
FAX: 03 9808 3086

BRISBANE
Suite 20, Level 9
320 Adelaide Street
Brisbane QLD 4000
PH: 07 3010 9714
FAX: 07 3220 0191

CANBERRA
Level 7
14 Moore Street
Canberra ACT 2600
PH: 02 6247 4166
FAX: 02 6247 4544

PERTH
Unit 1
69 Hay Street
Subiaco WA 6008
PH: 08 9388 2315
FAX: 08 9388 2316

ADELAIDE
49A Barker Avenue
Findon SA 5023
PH: 08 8251 5777
FAX: 08 8244 1565