

ViperNAS™ 4400 series



FEATURE HIGHLIGHTS

Enterprise class antivirus protection - High performance real-time virus scanning protection accompany with automatic virus pattern update from Trend Micro ensuring data integrity

SmartExtend - Manage storage resource for multiple ViperNAS units in the network as a single IP Storage network. That's mean better resource utilization, ease of storage management and simpler expansion of storage infrastructure

SmartSync - Enable fast data replication and NAS to NAS backup by employing differential block transfer to speed up the process. All the backups are kept online for easy data restoration

Snapshot - Creates a read only copy of the contents of a NAS Server at a particular point in time. User can easily restore previous versions of files or folders without having to contact a system administrator

NDMP (Q2/3 2005) - Network Data Management Protocol (NDMP) which is an open standard protocol for backup of heterogeneous network attached storage

OVERVIEW

ViperNAS™ 4400 series incorporate all the latest advances in NAS (Network Attached Storage) field to meet the ever increasing demand for performance, reliability, with ease of management.

For workgroups or departments that are experiencing rapid data growth, you can deploy storage and satisfy users in just five minutes and at a fraction of the cost and maintenance of complex general purpose server.

Use it for disk based backup, file sharing, workstation backup, image archiving, remote office storage or web page storage. Add a single unit to a small, growing company or add dozens across multiple workgroups in an extended enterprise.

ARCHITECTURE

The ViperNAS™ 4400 series addresses the high growth, midrange storage market, combining cost effective ATA disk, S.M.A.R.T. disk drive monitoring technology and RAID reliability, the ViperNAS™ is capable of very high levels of performance.

Combine with the innovative serial ATA (SATA) disk technology, the ViperNAS™ 4420 delivers high performance with a reliable system design. The 1U rack design saves rack space and offers flexibility in storage capacity.

Installs in minutes, recognizes and supports all major network clients and platforms, requires very little administration or support with remote management via a Web browser making the ViperNAS™ ideal in any general purpose file servers, file sharing, backup remote office storage and archiving purpose.

Environmental monitoring of system, CPU temperature, CPU fan speed and CPU voltages with alarm, web and SNMP warning built-in.

HIGH PERFORMANCE

Featuring Pentium 4 processor, PCI bus design and Gigabit Ethernet connections, it virtually eliminates all bottlenecks on IO traffic, providing throughput for a wide range of applications for workgroups or departments storage requirements.

MODELS

Two models (see table) in the series with various customisations using ATA133, SATA disk technology

Models	Disk Technology
4400	ATA-133
4420	SATA

SPECIFICATIONS

Pentium 4 2.4GHz with 512KB L2 cache
(ViperNAS™ 4400)

Pentium 4 2.8GHz with 512KB L2 cache
(ViperNAS™ 4420)

Support up to 2GB un-buffered ECC or non-ECC memory DDR 266/333 memory, 2 DIMM slots

LCD console for setting IP addresses and displaying system information

Hard disk (**ViperNAS 4400**) - 4 hot-swappable ATA-133 high-capacity hard disk drives

Hard disk (**ViperNAS 4420**) - 4 hot-swappable SATA high-capacity hard disk drives

RAID - RAID 0,1,5 and JBOD with global hot-spare and RAID hot expansion capability

Optical device - Optional DVD-ROM/CD-RW combo drive

LAN interface - Dual Gigabit

PCI Expansion - Low Profile PCI slot x 1

Network Environment - Microsoft Windows 95/98/Me/NT/2000/XP, Solaris, FreeBSD, Linux and other UNIX derivatives, MacOS 8.x, 9.x, OS X and Novell NetWare (Bindery only)

Network Protocol - TCP/IP, AppleTalk, IPX, CIFS/SMB, NFS v3, NCP, AFP, NDMP, HTTP, FTP, BOOTP, RARP, DHCP, DNS, WINS, SMTP, SNMP, NTP, SSL

User quota control and folder quota control

Environmental monitoring of system/CPU temperature, CPU fan speed and CPU voltages

S.M.A.R.T. disk drive monitoring for reliability

E-mail notification, SNMP management (MIB II) and system buzzer alerts

Multilingual Support - Localized web-pages: English, French, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Korean, Japanese

Code-Pages - English and western European, CJK DBCS, Unicode, Arabic and Hebrew

Data Protection - Embedded Snapshot technology for maintaining consistent backup images of file system (256 snapshots standard)

SmartSync - NAS to NAS data synchronization

SmartExtend - Extend capacity over existing Ethernet infrastructure

Advanced RAID bad sector recovery mechanism

Local tape backup with optional SCSI tape drive or optional SCSI tape library

Built in tape backup software

CD-R/RW and DVD+RW burning capability

Built in Trend Micro antivirus software

Network Security - Integrate with Microsoft Windows NT/2000/2003 Domain and Active Directory environment. Support UNIX Network Information Service (NIS) Support Access Control List (ACL) Secure Sockets Layer (SSL) 128-bit encryption

Operating Environment - Operating temperature: 0 - 40 C, Operating humidity: 10 - 80%, non-condensing

Physical Specifications - 43.5x436x710mm (H x W x D)

Approvals - FCC Class A, cUL, UL, CE, BSMI

Backup

- CommVault
- CA
- Legato
- VERITAS
- Syncsort

Archiving

- CommVault
- VERITAS / KVS
- Legato

Management

- Documentum
- VERITAS
- Legato
- Intermin
- CommVault

High Availability

- PowerQuest
- CommVault
- VERITAS
- VMWare

Infrastructure

- Alacritech
- Brocade
- Cyclades
- Emulex
- Peribit
- Qlogic
- Infinicon

Disk

- EMC
- NetApp
- RamSan
- Viper

Tape

- ADIC
- Overland
- Quantum
- Qualstar
- StorageTek
- SpectraLogic

About XSI

XSI is a customer-centric company established over 18 years ago that leverages the long-term relationships it has with leading technology developers to bring to Australian system managers, products that demonstrate significant advantages in operation and cost savings. XSI is a Federal Government Endorsed supplier and ISO9002 Quality Assured. XSI is part of the UXC group of companies.

Specifications and functions are subject to change without notice

XSI Data Solutions Pty Ltd

Sydney
02 9496 1199

Melbourne
03 8831 3900

Brisbane
07 3010 9714

Canberra
02 6247 4166

Adelaide
08 8364 2364

Perth
08 9388 2315

WWW.XSI.COM.AU