



WASABI VMX 2000 SERIES

The VMX 2000 Series is a scalable family of iSCSI SAN appliances that covers the entire range of needs for the small to medium sized enterprise. From low cost systems for general office storage consolidation with lower duty cycles to high-load tiered storage systems with a mix of high capacity SATA and high speed SAS expansion units, we have you covered.

Affordable – High Performance

The VMX 2000 Series iSCSI SAN appliances deliver best in class performance right out of the box. The product series starts at a very affordable 2TB system and scales up to 60TB of raw SATA or SAS storage – at a remarkably low cost per terabyte.

Our iSCSI SAN appliances run on standard IP based networks without any special cabling, switches or HBA's required. You can simplify your infrastructure and gain peace of mind with the built-in system monitoring and quickly reconfigure the system as needed through the intuitive graphical web-based interface.

Need more power for certain applications? Speed up your application delivery in key situations by aggregating multiple high-speed Ethernet ports or optional 10GbE interface. The VMX 2000 Series provides an ideal centralized storage solution for your business applications.

Highlights

- 1 Dramatically reduce overall storage costs with high capacity SATA or SAS drives. Optional expansion for up to 60TB total raw capacity.
- 2 Consolidate storage onto a central SAN instead of islands of direct attached storage per server. Easily managed through web-based UI from any network workstation.
- 3 Runs on existing IP network. No need to implement dedicated or specialized network equipment. Uses built-in initiators in Windows, Solaris, Novell, Linux and VMware. VMX 2000sx is certified on VMware ESX Server 3.5.
- 4 Simplify your network storage infrastructure with lights out management and automated alerts.
- 5 Increased performance over existing systems. VMX 2000sx Series achieves sustained throughput of up to 800 MB/s with optional 10GbE interface using SAS drives.



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“Best-in-Class companies are using iSCSI to reduce overall storage costs and to simplify storage infrastructure, making it easier to manage.” [ABERDEEN REPORT – THE iSCSI BENCHMARK: LOWER COSTS, LOWER COMPLEXITY – MARCH 2008]

System Specifications



| Product Configurations | VMX 2000e | VMX 2000mx | VMX 2000sx | VMX 2000exp |
|--|--|--|--|--|
| Hard Drives maximum HDD per chassis maximum HDD including exp | 12 n/a | 12 48 | 12 60 | 12 12 |
| Maximum Storage Capacity | 12TB | 48TB | 60TB | 60TB / module |
| Disk Drives SATA 500GB SATA 1TB SAS 500GB SAS 1TB | 3TB [6 HDD] 6TB - 12TB [6 - 12 HDD] --- --- | 3TB [6 HDD] 6TB - 12TB [6 - 12 HDD] --- --- | 3TB [6 HDD] 6TB - 12TB [6 - 12 HDD] 3TB [6 HDD] 6TB - 12TB [6 - 12 HDD] | 3TB [6 HDD] 6TB - 12TB [6 - 12 HDD] 3TB [6 HDD] 6TB - 12TB [6 - 12 HDD] |
| Virtual Disks | Up to 32 | Up to 128 | Up to 1024 | n/a |
| Snapshots | 16 per volume | 256 per volume | 2K per volume (up to 64K) | n/a |
| Connected Clients | Up to 16 per volume | Up to 256 per volume | Up to 2048 per volume | n/a |
| Supported iSCSI Initiators | Any RFC compliant initiator | | | |
| Supported OS | VMware ESX Server 3.5; Microsoft Windows; Linux; UNIX; Solaris; Novell Netware | | | |
| Storage Controllers | | | | |
| 72 hour battery backed data protection | n/a | ✓ | ✓ | ✓ |
| Automatic rebuild and auto resume after power loss | ✓ | ✓ | ✓ | ✓ |
| Single controller with 256MB battery backed cache | n/a | ✓ | ✓ | n/a |
| RAID Supported | 0, 1, 10, 5, 50, JBOD | 0, 1, 10, 5, 6, 50, 60 JBOD | 0, 1, 10, 5, 6, 50, 60 JBOD | n/a |
| Ethernet | 2 Ports Included | 2 Ports Included 4 Port Upgrade Available | 2 Ports Included 4 Port Upgrade Available Up to 2-10GbE or 10-1GbE Interface Upgrade Available | n/a |
| [VMX 2000exp] Supported | n/a | 3 | 4 | n/a |
| Processor | Intel® Core 2 Duo Processor 2.13GHz | Intel® Core 2 Duo Processor 2.13GHz | Intel® Xeon Processor Quad Core 2.33GHz | n/a |
| Memory | 1GB DDR2 PC2-5300 | 1GB DDR2 PC2-5300 | 2GB DDR2 PC2-5300 | n/a |
| Battery Backed Cache | n/a | 256MB | 256MB | n/a |

Technical Features

| | |
|------------------------------------|--|
| Management | Telnet; SSH; Web Based Management Console (unlimited sessions) |
| Reliability | Hot Swap Drives; Fans and Power Supplies; iSCSI Error Recovery Levels (ERL) 0, 1, and 2 |
| Enclosure Monitoring | SES; S.M.A.R.T Disk Drive Health Monitoring and Notification; Patrol Reads; Drive Blink and Locate |
| Power | Power Supplies: 700W Redundant/Hot Swap; A/C Voltage: 100-240 VAC60-50Hz, 10-4 AMP |
| Notification | SNMP; SMTP; SYSLOG |
| Environmental | Operating Temperatures: 10° to 35° C / Non-Operating Temperature: -40° to 70° C Operating Relative Humidity: 8% to 90% / Non-Operating Humidity: 5% to 95% |
| Dimensions | Height: 3.5" (89mm) Width: 17.2" (347mm) Depth: 25.5" (648mm) Gross Weight: 55 lbs (24.9kg) |
| Customer Care & Support | Included: 1 Year Basic Support (Next Business Day Parts, 5X9 Telephone Support) Option: 1, 2, 3, 4, 5 Year Premium Support (Next Business Day On-site Support, 7X24 Telephone Support) Wasabi can assist with pre-deployment best practices to ensure your infrastructure is optimized for our appliances. |