



◆ **Centralized Storage to unlock the full potential of your growing computing environment by enabling machine mobility and offloading the work of data protection**

Enable the connection of your heterogeneous server environment (including Windows, UNIX and Linux servers) and clients to one storage system by using industrial standard iSCSI protocol.

◆ **Performance that meet and exceed your applications demand**

Data rate up to 250 MB per channel and 450 MB for dual channel system.

◆ **Impressive scalability to meet your diverse business needs**

Storage platform starts from 2TB and supports real time field upgrade to 240TB. "Buy what you need today and grow when you need it in the future"

◆ **Excellent Return on Investment (ROI)**

Highly efficient storage utilization makes it possible for you to dramatically reduce your consumption of raw storage, power, cooling and space.

◆ **Enterprise level of data protection**

In addition to field proven RAID technology with RAID 0, 1, 5, 6, 10, 50 and 60 to protect against data loss and system downtime, snapshot available for backup and disaster recovery.

◆ **High System and Application Availability**

All major components (HDDs, cooling fans and power supply are hot swappable. Network team bonding available for workload balancing and failover to ensure your network is available for data transfer.

◆ **Centralized Management for all your storage needs**

Web based management allows users to manage their system via remote Browsers from any place in the world and preserve investment in staff expertise by using same management tools.



High Value with unbeatable ROI

Today's business environment demands innovation and increasing flawless execution. Virtualized computing is quickly becoming the norm. IntelliSCSI V9000 iSCSI RAID storage system is an affordable SAN solution for all businesses. V9000 can support up to 240 TB of reliable storage. In addition, each storage volume can support and be shared among 16 hosts simultaneously. Packed with enterprise features and protected with a 3 year warranty, IntelliSCSI V9000 series delivers unsurpassed value with a price that is lower than all other storage solutions on the market.

High Availability and Advanced Data Protection

IntelliSCSI V9000 series features field proven RAID technology that supports RAID levels 0, 1, 5, 6, 10, 50 and 60 protections. All systems include hot swap technology, which allows the HDD to be easily replaced and installed. Simultaneous online volume capacity expansion and RAID level migration available in all rackmount models. V9000 series SnapBack technology helps reduce backup time to minutes; SnapQuick enables recovery of point-in-time data, also in minutes.

High Usability

IntelliSCSI V9000 series can be installed in just 15 minutes with plug-and-play network connectivity and intuitive installation tools. The web based management software allows users to manage their storage systems via web browsers from any place in the world. Thin provisioning helps you to eliminate stranded storage. Preserve investment in staff expertise and capital equipment with IntelliSCSI V9000 series that are based on industrial proven 3GenNAS Operating System and using the same management tools. While 3Gen's products are always on the cutting-edge, our customers can rest assured that easy-to-use stays on top of 3Gen's design philosophy. 3Gen is committed to bringing advanced Information Life Cycle Management features to small and medium businesses.

Storage Sharing and Access Control

IntelliSCSI is highly efficient. Not only can one storage volume can be shared by 16 hosts, but by sharing the virtualized central storage among all servers, maximum ROI on disk utilization can be achieved. Furthermore, IntelliSCSI ensures proper access control using CHAP (Challenge Handshake Authentication Protocol), which authenticates each host server for proper authorization.





Data specifications



IntelliSCSI V9030 (1U) and V9040 (2U) **IntelliSCSI V9080 (3U),V9120(4U)**

Configuration

Operating System	3GenNAS Pro	3GenNAS Pro
CPU(s)	Intel Celeron D430 or up	Xeon E5506 or up
Memory	1GB DDRII	2GB DDRIII
Hard Drive Interface	4 (V9030) and 8(V9040) SATAII or SAS	16 (V9080) and 24 (V9120) SATA II or SAS
Maximum storage capacity	8TB (V9030) or 16TB(V9040) with 2TB per disk	120 disks with optional SAS JBOD 240TB with 2TB per disk

Connectivity

10/100/1000 Ethernet Ports	2 Auto-sensing	4 Auto-sensing
NIC Teaming	Yes	Yes
Load Balancing	Yes	Yes
Ethernet Failover	Yes	Yes
Backup Interface	USB2.0 and SCSI (optional)	USB2.0 and SCSI (optional)
iSCSI Initiators	Windows Initiator V2.03 and up, RHEL 5 / SLES 10, CentOS v5.0, VMWare ESX 3.01, Solaris 10, Novell Netware V6.5 SP7, Qlogic iSCSI HBAs	Windows Initiator V2.03 and up, RHEL 5 / SLES 10, CentOS v5.0, VMWare ESX 3.01, Solaris 10, Novell Netware V6.5 SP7, Qlogic iSCSI HBAs

Data Protection and Reliability

Hot swap HDD	True Hot Swap	True Hot Swap
Logical Volumes (LUNs)	128	128
RAID	RAID 0, 1, 5, 6, 10, 50 and 60	RAID 0, 1, 5, 6, 10, 50 and 60
RAID Roaming	Yes	Yes
Online Volume Expansion	Yes	Yes
Write thru or Write Back Cache	Yes	Yes
SnapBack / SnapQuick	Yes	Yes
Redundant Cooling Fans	5 hot swappable	3 hot swappable
Redundant Power Supply	2 hot swappable (V9040 only)	2 hot swappable
UPS Support	Yes	Yes
Environmental Monitor	Yes	Yes
Remote Management	Yes	Yes
Clustering / block based Sync Mirroring	Optional	Optional

Environmental

Power Supply	400 watts and up	460 watts and up
Temperature	Operating : 5 C to 45 C Non-operating: -10 C to 50 C	Operating : 5 C to 45 C Non-operating: -10 C to 50 C
Relative Humidity	20% to 80% non-condensing	20% to 80% non-condensing



the next generation of business machines

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