

Genesis V

3U-16 Bay 3Gb/s SAS-SAS/SATA II RAID



Unsurpassed data availability along with exceptional manageability.

The MicroNet Genesis V, 3U-16 Bay SAS-SAS/SATA RAID subsystem offers unsurpassed data availability along with exceptional manageability. A firmware-embedded Web Browser-based RAID manager enables local or remote configuration and management. The Genesis V SMTP manager monitors all system events and notifications automatically and also allows remote monitoring via LAN with no SNMP agent required.

MicroNet's Genesis V comes populated with SATA drives for low cost data storage and is upgradeable to SAS drives for more data-intensive applications. Supporting RAID levels 0, 1, 0+1, 3, 5, 6, 30, 50, 60 and JBOD, the Genesis V also supports online Array roaming, online RAID level/stripe size migration and online capacity expansion with simultaneous RAID level migration.

Features

- Transparent data protection for all operating systems
- RAID levels 0, 1, 0+1, 3, 5, 6, 30, 50, 60 and JBOD
- Online Array roaming
- Online RAID level/stripe size migration
- Online capacity expansion and RAID level migration simultaneously
- Online Volume Set Expansion
- Supports multiple array enclosures per host connection
- Supports greater than 2TB per volume set (64-bit LBA support)
- Supports 4K bytes/sector for Windows up to 16TB per volume set
- Supports up to 128 LUNs per RAID set
- Instant availability and background initialization
- Supports S.M.A.R.T. NCQ and OOB Staggered Spin-up capable drives
- Local audible event notification alarm
- Supports password protection and UPS connection
- Serial port interface for remote event notification
- Redundant flash image for high availability
- 3-year warranty

MicroNet
Storage you can rely on

Genesis V

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SPECIFICATIONS

Form Factor:	3U 19-inch rack mount chassis
RAID Processor:	Intel IOP341 64-bit
RAID Levels:	0, 1, 0+1, 3, 5, 6, 30, 50, 60 and JBOD
Cache Memory:	512MB ~ 2GB DDR-II SDRAM
Host Bus Interface:	Two 4x minis SAS (3Gb/s)
Drive Bus Interface:	SAS or 3Gb/s SATA II
Data Transfer Rate:	Up to 300MB/s per channel
Expansion:	One 4x mini SAS (SFF-8088)

Online capacity expansion,

RAID level/stripe size migration: Yes

Online volume sets expansion: Yes

Online array roaming: Yes

Online consistency check: Yes

SMTP manager & SNMP agent: Yes

Email notification: Yes

Redundant flash image: Yes

Support over 2TB per volume: Yes

Instant availability and background initialization: Yes

S.M.A.R.T. support: Yes

New disk insertion/removal detection: Yes

Failed drive auto rebuild: Yes

Continuous Rebuild: Yes

Multiple RAID selection: Yes

Bad block auto-remapping: Yes

Audial alarm: Yes

Password protection: Yes

UPS connection: Yes

SES2 enclosure management: Yes

Hot-Swap Power Supplies: Two 460W power supplies w/PFC

Cooling Fans: 4

Power Requirements: AC 90V ~ 264V Full Range
8A ~ 4A, 47Hz ~ 63Hz

OPERATING ENVIRONMENT

Relative Humidity: 10% ~ 85% Non-condensing

Operating Temperature: 10°C ~ 40°C (50°F ~ 104°F)

Physical Dimension: 133mm H x 482mm W x 600mm D

5.24" H x 18.98"W x 23.62" D

Weight: 24.7 Kgs/54.34 lbs (without drives)

Warranty: 3-Year

Specifications are subject to change without notice.

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Part	Capacity	Drive Type	Warranty
MGR-16SS16A	16TB	SATA II	3-Year
MGR-16SS16S	16TB	SAS	3-Year

Please visit our website at www.micronet.com or call 800-980-3463 for more information.

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