



**3U 16Bay iSCSI – 6G SAS Redundant
RAID Subsystem**

FlexNAS PRO



Unparalleled Performance & Reliability

- Support Dual-active controllers
- Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP) with VLAN
- High data bandwidth of system architecture by powerful INTEL 64-bit RAID processor

Unsurpassed Data Availability

- RAID 6 capability provides the highest level of data protection
- Supports Snapshot, Volume cloning, Replication, Thin Provision
- Supports Microsoft Windows Volume Shadow Copy Services (VSS)

Exceptional Manageability Menu-driven front panel display

- Management GUI via serial console, SSH telnet, Web and secure web(HTTPS)
- Event notification via Email and SNMP trap
- Menu-driven front panel display

Features

- 3U 16Bay rack-mount redundant RAID subsystem with SBB compliant controller.
- Supports iSCSI jumbo frame
- Supports Microsoft Multipath I/O (MPIO), MC/S
- Supports RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
- Local N-way mirror: Extension to RAID 1 level, N copies of the disk
- Global and dedicated hot spare disks
- Write-through or write-back cache policy for different application usage
- Supports greater than 2TB per volume set (64-bit LBA support)
- Supports manual or scheduling volume snapshot (up to 64 snapshot)
- Snapshot rollback mechanism
- On-line volume migration with no system down-time
- Online volume expansion
- Instant RAID volume availability and background initialization
- Automatic synchronization of firmware version in the dual-active mode
- Supports S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives
- High efficiency power supply which compliant with 80plus

Series Technical Specifications

Model	SLA-P1-16-A1	SLA-P1-16-A2
RAID Controller	iSCSI - 6G SAS	iSCSI - 6G SAS
Controller	Single or Redundant	Single or Redundant
Host Interface	6 x 1Gb Ethernet (per Controller)	2 x10Gb Ethernet & 2 x1Gb (per Controller)
Disk Interface	6Gb SAS or 6Gb SATA*	6Gb SAS or 6Gb SATA*
SAS expansion	One 6Gb SAS (SFF-8088)	One 6Gb SAS (SFF-8088)
Processor Type	INTEL Xeon processor	INTEL Xeon processor
Cache Memory	4GB~8GB DDR3 ECC SDRAM (per Controller)	4GB~8GB DDR3 ECC SDRAM (per Controller)
Battery Backup	Optional Hot Pluggable BBM	Optional Hot Pluggable BBM
Management Port support	Yes	Yes
Monitor Port support	Yes	Yes
UPS connection	Yes	Yes
RAID level	0,1,0+1,3,5,6,10,30,50,60 and JBOD	0,1,0+1,3,5,6,10,30,50,60 and JBOD
Logical volume	Up to 4096	Up to 4096
iSCSI Jumbo frame support	Yes	Yes
Supports Microsoft Multipath I/O (MPIO)	Yes	Yes
802.3ad Port Trunking, LACP Support	Yes	Yes
Host connection	Up to 128	Up to 128
Host clustering	Up to 16 for one logical volume	Up to 16 for one logical volume
Manual/scheduling volume snapshot	Up to 64	Up to 64
Hot spare disks	Global and dedicated	Global and dedicated
Host access control	Read-Write & Read-Only	Read-Write & Read-Only
Online Volume migration	Yes	Yes
Online Volume sets expansion	Yes	Yes
Configurable stripe size	Yes	Yes
Auto volume rebuild	Yes	Yes
N-way mirror (N copies of the disk)	Yes	Yes
Microsoft Windows Volume Shadow Copy Services (VSS)	Yes	Yes
Supports CHAP authentication	Yes	Yes
Thin Provision	Yes	Yes
Local Clone	Yes	Yes
Remote Replication	Yes	Yes
VAAI (vStorage APIs for Array Integration)	Yes	Yes
S.M.A.R.T. support	Yes	Yes
Snapshot rollback mechanism support	Yes	Yes
Platform	Rackmount	Rackmount
Form Factor	3U	3U
# of Hot Swap Trays	16	16
Tray Lock	Yes	Yes
Disk Status Indicator	Access / Fail LED	Access / Fail LED
Backplane	6Gb SAS / SATA Single BP	6Gb SAS / SATA Single BP
# of PS/Fan Modules	460W x 2 w/PFC	460W x 2 w/PFC
# of Fans	2	2
Power requirements	AC 90V~264V Full Range, 10A~5A,47Hz~ 63Hz (per module)	AC 90V~264V Full Range, 10A~5A,47Hz~ 63Hz (per module)
Relative Humidity	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	555(L) x 482(W) x 131(H) mm	555(L) x 482(W) x 131(H) mm
Weight (Without Disk)	19Kg / 20.5 kg	19Kg / 20.5 kg

* Redundant controller request optional dongle board for SATA hard drive.

Specification is subject to change without notice.

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