

# Nova Professional series RAID Subsystem



## High Performance, High Availability, Easy Management

The Nova professional series can meet the storage needs of business applications in both virtual and traditional environments. High performance and enterprise-class availability of the Nova professional series deliver high-end benefit to midsize environment at affordable cost.

Nova professional series designed to optimize performance and scalability. The eco friendly features including battery free cache backup module, 80% efficient power consumption, smart cooling mechanism and disk standby functions. The enterprise level features with remote replication and array based snapshot designing for mission critical environment make it the ideal solution with performance, scalability and availability, at affordable cost of ownership.

### FEATURES HIGHLIGHT

#### High Performance

The high I/O bandwidth deliver high performance make it feasible for applications requiring high I/O workload and allowing more users to work simultaneous, highly improve the efficiency.

#### High Scalability

Internal SAS expanders enable easy to connect another SAS 6Gb JBOD enclosures without the need for additional RAID units, scalable up to 120 drives at better cost of ownership.

#### Data Protection

Support RAID levels 1, 3, 5, and 6 to prevent for drive failure. Sustained read performance even in degrade mode.

#### Perfect for Small Workgroups

Multiple ports 8Gb FC /6Gb SAS host Channel each controller allowing multiple users to work simultaneously without using the switch, reducing cost and complexity, and deliver direct, speedy access to digital assets.

#### Cost-effective Remote Replication

Array based remote replication feature allowing data synchronization via embedded iSCSI ports, through area network or internet.

#### Embedded Snapshot

Block level snapshot embedded at the array F/W to leverage the computing power of the RAID system with less performance impact in comparing to host-based snapshot S/W. The restore function allowing users to restore data by rolling back the previous shot effectively.

#### Easy Configuration and Management

User-friendly, easy management interface with quick setup procedure help non-technical users to configure a RAID 5 or RAID 6, in few steps.



3D Content Creation



Data Center



Virtualization

## SPECIFICATION

### Hardware Components

Model No.	Nova 20S/R	Nova 26S/R	Nova 30S/R	Nova 36S/R	Nova 40S/R	Nova 46S/R
RAID Controller	Single/Redundant		Single/Redundant		Single/Redundant	
No. of Host Channels	4/8 x 8Gb FC, 2/4 x 6Gb SAS		4/8 x 8Gb FC, 2/4 x 6Gb SAS		4/8 x 8Gb FC, 2/4 x 6Gb SAS	
Expansion Enclosure	Nova 34S/R, 44S/R					
Cache Memory Per Controller	2GB, up to 4GB		2GB, up to 4GB		2GB, up to 4GB	
No. of Drives	12 (SAS/SATA) *		16 (SAS/SATA) *		24 (SAS/SATA) *	
Max. No. of Drives	120		120		120	
Power Supply	2 x 400W		2 x 500W		3 x 400W	
Fan	2		2		2	
Dimensions	2U 19" Rackmount		3U 19" Rackmount		4U 19" Rackmount	
	485 x 593 x 88mm (W x D x H)		485 x 593 x 132mm (W x D x H)		485 x 593 x 176mm (W x D x H)	

### Feature Highlights

Green	- Auto disk Standby	- Advanced cooling mechanism	- 80 PLUS energy-efficient power supplies
Hybrid Interface	4 x 8Gb FC or 2 x 6Gb SAS+ 2 x 1Gb iSCSI per controller, 1Gb iSCSI interface for remote replication		
RAID & Volume	- RAID level 0, 1, 3, 5, 6, 10, 30, 50, 60, JBOD, NRAID - Up to 1024 logical volumes - Global and dedicated hot spare - Write-through or write-back cache policy - Online volume expansion and shrink	- Instant RAID volume availability - Auto volume rebuilding - Online expansion volume migration without system down time	
High Availability	- Dual active-active (Symmetric or ALUA) controller - Online firmware upgrade - Multi-path & load-balancing support		
Advanced Data Protection	- "MaxSure" for Self-Encryption Drives - Array based Snapshot - Remote Replication through iSCSI	- Array Recovery Mechanism - Online Disk Roaming - "SmartCor." Function (DST, DS, DC)	
Management	LCM; Serial console; SSH telnet; HTTP Web UI; Secured Web (HTTPS); S.E.S.		
Notification	Email; SNMP trap; Browser pop-up windows; Syslog; Windows Messenger		
OS Support	Windows; Linux; Mac		
Virtualization	VMWare; Hyper-V; Citrix		

### Optional Data Service

- Thin Provisioning
- FC Remote Replication

### Optional Components

Cache Guard Module	Battery Free (SuperCAP) Cache backup module
SATA board	6Gbs SATA drives support on Redundant controller SKU

### Requirements

AC Input	100-240V (+/-10%), 47-63Hz
Operating Temp.	5°C to 40°C (41°F to 104°F)
Relative Humidity	20% to 80% non-condensing

- \* Need Tray board for SATA drives on Redundant configuration.
- \* Specifications and product offerings may vary without notice.
- \* Various trademarks belong to their respective owners.

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