



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/SSD) * | | 16 (SAS/SATA/SSD) * | | 24 (SAS/SATA/SSD) * | |
| 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 485 x 593 x 88mm (W x D x H) | | 3U 19" Rackmount 485 x 593 x 132mm (W x D x H) | | 4U 19" Rackmount 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 | - Instant RAID volume availability | - Auto volume rebuilding |
| | - Up to 1024 logical volumes | - Global and dedicated hot spare | - Online expansion volume migration without system down time |
| | - Write-through or write-back cache policy | - Online volume expansion and shrink | |
| 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 Recovery Mechanism | |
| | - Array based Snapshot | - Online Disk Roaming | |
| | - Remote Replication through iSCSI | - "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.
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