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Nova Entry Series RAID System

Friendly User Interface and quick setup procedure

The Nova Entry series is rich in features and has impressive performance which makes it an ideal solution for video surveillance applications as well as data management for small to medium businesses.

Featuring the same 1.2GHz IOP as the Nova Professional series, the base Nova Entry comes with 1Gb iSCSI, 6Gb SAS x 2 channels, single controller configuration. The rackmount enclosures hold 12/16/24 x SAS or SATA drives, and protects all data by RAID levels 0, 1, 3, 5, 6, 10. The friendly Graphic User Interface and quick setup procedure will enable non-technical users to configure a basic storage setup in just 5 simple steps. The storage capacity can be scaled by connecting through a mini SAS expander to a JBOD enclosure.

For customers looking for cost competitive storage solutions, Nova Entry series are the right choice because of their simple yet capable features as well as the high performance and scalable capacity.

FEATURES HIGHLIGHT

Modular Design

Allows custom configurations tailored for any environment to meet performance and capacity.

Data Protection

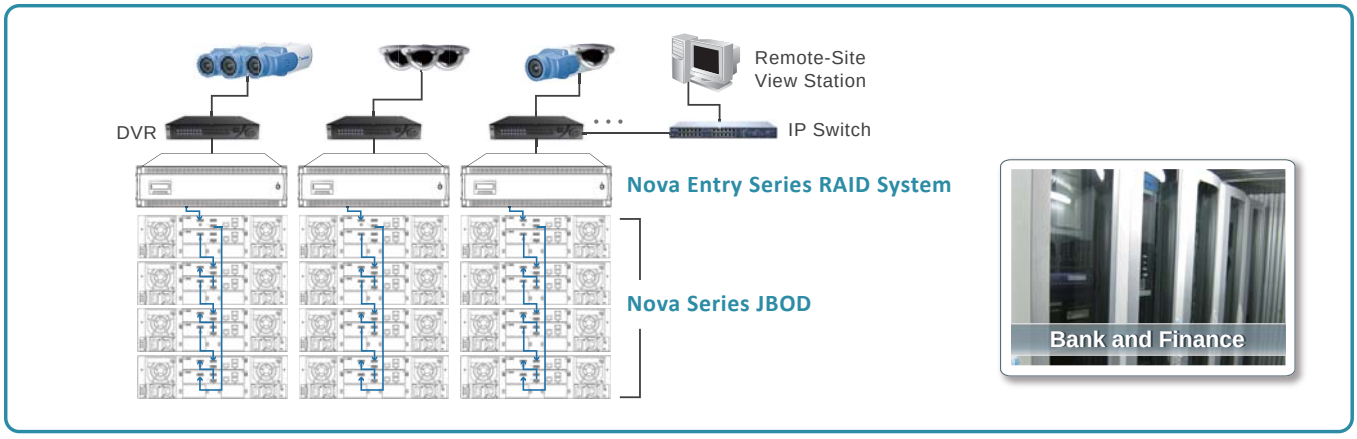
Support RAID levels 1, 3, 5, and 6 to prevent for drive failure. Sustained read performance even in degrade mode.

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.

Central Monitoring

Support multiple platforms, central managed "RAIDGuard Central" monitoring S/W, reporting failure event via SNMP instantly.



Nova Entry Series 6G SAS / 1G iSCSI RAID Subsystem

SPECIFICATION

Hardware Components

Model No.	Nova 27S / Nova 29S	Nova 37S / Nova 39S	Nova 47S / Nova 49S
RAID Controller	Single	Single	Single
No. of Host Channels Per Controller	2 x 6Gb SAS / (4+2) x 1Gb iSCSI	2 x 6Gb SAS / (4+2) x 1Gb iSCSI	2 x 6Gb SAS / (4+2) x 1Gb iSCSI
Expansion Enclosure	Nova 34S, 44S JBOD	Nova 34S, 44S JBOD	Nova 34S, 44S JBOD
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 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
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
High Availability	- Online firmware upgrade - Multi-path & load-balancing support	
iSCSI Features * Nova 29S/39S/49S	- Link-Aggregation, LACP (802.3ad) - Jumbo Frame support (9000bytes) - Challenge Handshake Authentication Protocol (CHAP)	- Multiple iSCSI targets (up to 8) - Internet Storage Name Service (iSNS) - Header Digest and Data Digest
Advanced Data Protection	- "MaxSure" for Self-Encryption Drives - 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	

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

Optional Components

Cache Guard Module	Battery Free (SuperCAP) Cache backup module

* Specifications and product offerings may vary without notice.

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