



Maestro series RAID Subsystem



Enterprise-class storage with high performance and availability makes the Maestro series capable of satisfying the most demanding business and technical applications as well as virtualized environments.

High Performance

The Maestro series is designed for high performance with Intel Xeon dual core CPU and DDR III memory to take full advantage of modern Hardware and Software architecture. These storage systems support latest connectivity interfaces including 10Gb iSCSI and 8Gb FC to hosts and 6Gb SAS disk interface, perfectly meet the requirements of mission-critical operations.

High Availability

High-availability hardware designs with redundant, hot-swappable hardware components including RAID controllers, power supplies and cooling fans to eliminate single point of failure. Featured with high-availability algorithm, firmware-embedded data protection functions, innovative cache backup module (CacheGuard) to protect cached data during power outage, Arena Maestro series deliver high-end availability which effectively meet the challenges of modern and future IT and Media environments.

High Scalability and Flexibility

The modular design, simple, easy to use management interface, easily scale up storage capacity to more than 240 drives to accommodate business expansion needs. The Maestro series support flexible drive types (2.5-inch or 3.5-inch, SAS or SATA, various size of hard drives or SSD) meet the needs for various applications requirement.

Key Benefit

- Active-Active dual controller support Symmetric or ALUA
- Quad 8Gb FC / 10Gb iSCSI ports per controller provides maximum system throughput
- Supports 6Gbps SAS & SATA drives simultaneously
- Up to 80% power efficiency
- Simple, easy, web embedded management interface
- Innovative battery free cache backup mechanism

Best Fit for

Digital Content

- Broadcast
- Post production
- Digital intermediate
- Animation
- Color correction/rendering

IT Data Management

- Cluster Storage
- Backup & restore
- Virtualization
- Disaster Recovery

Research and Academic

- High speed cluster storage
- Oil & Gas
- Genome research



3D Content Creation



Data Center



Virtualization

SPECIFICATION

Hardware Components

Model No.	Maestro 30S/R	Maestro 32S/R	Maestro 40S/R	Maestro 42S/R
RAID Controller	Single/Redundant	Single/Redundant	Single/Redundant	Single/Redundant
No. of Host Channels Per Controller	4 x 8Gb FC	4 x 10Gb iSCSI	4 x 8Gb FC	4x 10Gb iSCSI
Expansion Enclosure	Nova 34S/R, 44S/R		Nova 34S/R, 44S/R	
Cache Memory Per Controller	4GB DDR III		4GB DDR III	
No. of Drives	16 (SAS/SATA) *		24 (SAS/SATA) *	
Max. No. of Drives	240		240	
Hot Swap Parts	3 x 400W P/S, 2 x Fan Module		3 x 400W P/S, 2 x Fan Module	
Dimensions	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
iSCSI Function * Maestro 32S/R, 42S/R	- Jumbo Frame support (9000bytes)	- Challenge Handshake Authentication Protocol (CHAP)	- Internet Storage Name Service (iSNS)
	- Multiple iSCSI targets (up to 8)		- Header Digest and Data Digest
RAID & Volume	- RAID level 0, 1, 3, 5, 6, 10, 30, 50, 60, JBOD, NRAID	- Up to 1024 logical volumes	- Online volume expansion and shrink
	- Global and dedicated hot spare	- Write-through or write-back cache policy	- Instant RAID volume availability
High Availability	- Dual active-active (Symmetric or ALUA) controller	- Online firmware upgrade	- Auto volume rebuilding
	- Multi-path & load-balancing support		
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		
Virtualization	VMWare; Hyper-V; Citrix		

Optional Components

Cache Guard Module	Battery Free (SuperCAP) Cache backup module	AC Input	100-240V (+/-10%), 47-63Hz
SATA board	6Gbs SATA drives support on Redundant controller SKU	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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