**arena** Data · Care

Fibre Channel **8G**

iSCSI **10G**

# Maestro series RAID Subsystem

SED

Symmetric Redundancy

Array Recovery R5

Roaming

SmartCor.

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 6 Gbps SSD, 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 | IT Data Management | Research and Academic |
|---|---|---|
| - Broadcast | - Cluster Storage | - High speed cluster storage |
| - Post production | - Backup & restore | - Oil & Gas |
| - Digital intermediate | - Virtualization | - Genome research |
| - Animation | - Disaster Recovery | |
| - Color correction/rendering | | |

FC CE UL RoHS COMPLIANT

Animation Production

3D Content Creation

Digital Content Archive

## 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 | 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  (SSD/SAS/SATA) * | | 24  (SSD/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**<br>* Maestro 32S/R, 42S/R | - Jumbo Frame support (9000bytes)<br>- Challenge Handshake Authentication Protocol (CHAP)<br>- Multiple iSCSI targets (up to 8) | - Internet Storage Name Service (iSNS)<br>- Header Digest and Data Digest |
| **RAID & Volume** | - RAID level 0, 1, 3, 5, 6, 10, 30, 50, 60, JBOD, NRAID<br>- Up to 1024 logical volumes<br>- Global and dedicated hot spare<br>- Write-through or write-back cache policy | - Online volume expansion and shrink<br>- Instant RAID volume availability<br>- Auto volume rebuilding |
| **High Availability** | - Dual active-active (Symmetric or ALUA) controller<br>- Online firmware upgrade<br>- Multi-path & load-balancing support | |
| **Advanced Data Protection** | - "MaxSure" for Self-Encryption Drives<br>- Array Recovery Mechanism<br>- Online Disk Roaming<br>- "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 |
| **SATA board** | 6Gbs SATA drives support on Redundant controller SKU |

### Requirements

| | |
|---|---|
| **AC Input** | 100-240V (+/-10%), 47-63Hz |
| **Operating Temp.** | 5℃ to 40℃(41℉ to 104℉) |
| **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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