

**MAVERICK**  
SATA-2 STORAGE SYSTEM

**Ideal for disk-to-disk backup,  
Video OnDemand, CCTV and  
stream editing**



**RAID Inc's Maverick Serial ATA product** supports high performing Serial ATA disk drives. The Maverick includes both U320 SCSI-to-SATA-2 and Serial ATA storage subsystems.

The dual-independent PCI bus is designed for a wide range of applications on virtually all platforms and operating systems. The Maverick product line is ideal for research and development, disk-to-disk backup, Video on Demand, CCTV, and stream editing.

**Maverick 8-drive bay SATA RAID Subsystem**

- :: 8 SATA-2 Drive Bays with up to 3.2TB Drive Capacity
- :: Ultra320
- :: Supports RAID Levels 0-5,10,30,50
- :: Two (2) 320MB/second SCSI (SCSI-320) host channels each interfaced through two (2)dualstacked VHDCI connectors
- :: Supports 3.5" profile, SATA-II, 3Gbps interface diskdrives
- :: In the desktop configuration four (4) subsystems can be stacked for capacity expansion
- :: Intelligent Drive Handling: Manages bad blocks during rebuild and Media Scan function for normal data maintenance
- :: Variable rebuild and maintenance task priorities
- :: Auto Cache Flush and Auto Shutdown on critical conditions
- :: Redundant Power and Cooling Modules

**MAVERICK**  
SATA-2 STORAGE SYSTEM**RAID Architecture**

- Redundant, hot-swappable components, designed for no single point of failure
- RAID levels supported: RAID 0, 1 (0+1), 3, 5, 10, 30, 50, NRAID and JBOD
- Multiple arrays configurable with dedicated or global hot spares
- Online expansion by adding new drives and copying and replacing drives with drives of larger capacity
- Automatic background rebuild
- Configurable stripe size and write policy per array
- Intelligent Drive Handling
  - In degraded mode: Skipping irreparable blocks to continue rebuild
  - In normal operation: Data block verification and repair
  - Multiple arrays configurable with dedicated or global hot spares

**Desktop/Tower Convertible****Disk Interface**

- Eight (8) 3.0Gbps SATA-II drive channels
- 3.5-inch SATA disk drives
- Automatic bad-sector reassignment
- Dedicated bandwidth to each connected drive

**Management**

- Front LCD control panel for setup and configuration
- 10/100 BaseT Ethernet for out-of-band management
- RS-232C for local access to firmware-embedded utility
- Firmware-embedded, Java-based RAIDWatch™ GUI manager
  - Telnet access via onboard Ethernet port
  - Out-of-band access via Ethernet (GUI-onboard)
  - Centralized management to monitor and administer multiple RAID units

**Controls and Indicators**

- Onboard alarm is triggered when one of the following modules fails:
  - RAID controller module
  - Cooling module
  - Power supply unit
  - Hard drive

**Power**

- Two (2) redundant hot-swappable power supplies with PFC
- Input: 90 to 260VAC, 47 to 63Hz
- Output: (250 Watts Max.)
  - +12.0V 16A max
  - + 5.0V 20A max.
  - + 3.3V 20A max.

**Cooling Fan**

- Two (2) redundant, single-fan cooling modules
- Fan speed: High temperature: 4500rpm, Low temperature: 3700rpm
- Maximum air flow: High temperature: 1.50m3/min, Low temperature: 1.21m3/min

**Dimension**

5.4"W x 14.2H" x 12.8"D