



The Professional Storage Solutions

Sol Series Array Protect your Data



**U320 / FireWire / USB 2.0
RAID with SATA II HDD**

Application:

High-end PC workstation
Application servers
Multimedia development
File/Print servers

Performance desktop systems
Entry-level servers
Small office, Home office (SOHO)
Internet news/E-mail servers

System Architecture

- Intel 80219 400 MHz 64-bit RISC
- 128 MB on-board cache memory with ECC
- SOL 5 channels SATA II controller with enhanced H/W XOR engine
- NVRAM for RAID configuration & transaction log
- Write-through or write-back cache support
- Firmware in Flash ROM for easy upgrades

RAID Features

- RAID level 0, 1 (0+1), 3, 5, 6 and JBOD
- Multiple RAID selection
- Array roaming
- Online RAID level / stripe size migration
- Online RAID capacity expansion and RAID level migration simultaneously
- Automatically and transparently rebuilds hot spare drives
- Hot swap new drives without taking the system down
- Instant availability and background initialization
- Automatic drive insertion / removal detection and rebuilding

Disk Bus Interface

- S-ATA I / II 1.5G/3.0G
- 5 channels, operating in parallel
- 5 hot-swap drive trays
- 48-bit LBA support allows disk exceeding 137GB
- Staggering the Spin-Up of Individual Disk to Solve the Power-on Surge

Host Bus Interface

- Ultra 320 LVD SCSI; Up to 320MB/sec
- Tagged Command Queuing
- Concurrent I/O commands

Host Bus Interface

- USB 2.0 + 1394B
- Up to 60 MB/s (USB 2.0)
- Up to 100 MB/s (1394B)

Monitors / Indicators

- Push Buttons and LCD Display Panel for setup, alarm mute and configuration (option)
- 5 drive LED indicators and 3 environment LED indicators
- Environment and drive failure indication through LCD, LED and alarm buzzer
- Built-in alarm

RAID Management

- Bootable CD VT-100 utility for X86-based system initialization
- Field-upgradeable firmware in flash ROM via RS-232 port
- Web browser-based RAID management via HTTP PROXY
- Remote Alters : E-mail
- Firmware-embedded manager via RS-232 port (platform independent)

Software Drivers

- Host OS Independent

Mechanical**Form Factor**

- 250W power Supply
- 270Lx177Wx228H (mm)
- Weight 7kg (w/o disk drive)

I/O Interface

- 2 * 4 header simple I2C Port for LCD and button
- 2 * 5 box header serial port
- 2 * 68 pin LVD SCSI connector
- 1*USB 2.0 + 1*1394B(800) connector

