HP RAID 4Si — PCI 4 port Ultra2 RAID Controller

Adapting to changing needs

The HP RAID 4Si controller delivers outstanding performance with full RAID functionality.

Need RAID (Redundant Array of Independent Disks) data protection but the more expensive, full-featured external RAID arrays are out of the budget ballpark? Businesses often find RAID data protection out of financial reach for their low cost server solutions. This is no longer the case with HP's new high performance, low cost internal RAID controller.

Low solution cost

HP now offers a lower-cost RAID solution by supplying an internal PCI RAID controller that attaches to external disks. The result: Savings of up to 50 percent.
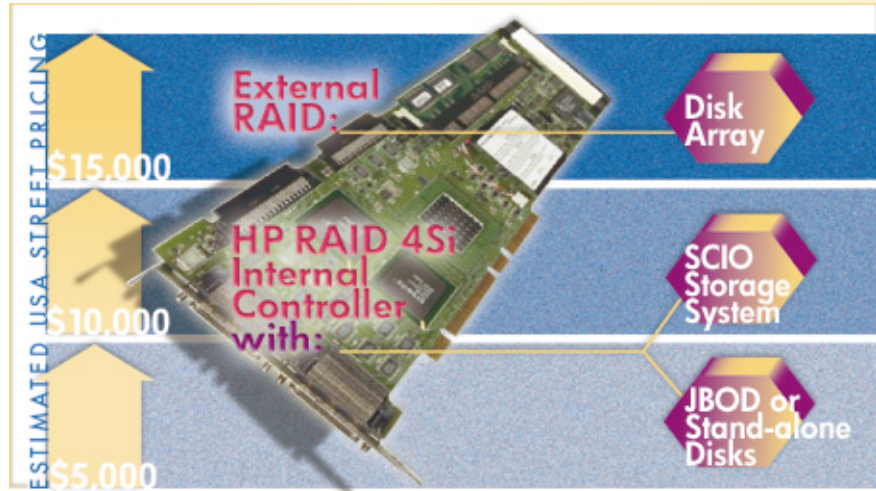
RAID data protection

RAID provides high performance SCSI storage and full data redundancy in case of disk failure.

With the explosive growth of critical computing in both large and small businesses, there has been an ever-increasing need to find better ways of storing and securing large amounts of data. Businesses demand a means of data storage and failure pro-

HP low cost RAID arrays

tection that ensures continuance in the event of a failure that would otherwise cripple their mission-critical applications.

The basic idea of RAID is to combine multiple small, inexpensive disks into an array that appears as a single logical storage unit or drive. The data is distributed across the disks in order to provide a method for data recovery or reconstruction in the event of a drive failure.

In addition, the HP RAID 4Si controller supports all major RAID levels and various JBODs (Just a Bunch of Disks) with hot-swap modules and redundant hardware such as bus controllers, power supplies and fans. All this adds up to high performance, low cost storage with data protection and most important, peace of mind!

High performance

The RAID 4Si adapter has four Ultra2 LVD/SE SCSI channels, with a data transfer rate of up to 80 MB/s across each LVD channel. The longer cable lengths with LVD, the compatibility

with SE devices, the intelligent RAID processor and the RAID management software make this adapter easy to setup and integrate into a variety of environments. The high Ultra2 speed on all four channels supplies the performance.

Application markets

The RAID 4Si adapter is best suited for these low- to mid-range server applications.

- ISP/E-commerce
- Application and File/Print
- Low- to mid-range OLTP
- Low- to mid-range Data Warehousing / DSS
- Data analysis and simulation
- System consolidation
- Enterprise Resource Planning (ERP)

For more information please visit the HP Web site at:

http://www.hp.com/go/hp9000networking

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HP RAID 4Si features at a glance

- Intel i960RN 64-bit Intelligent I/O Processor
- Universal 64-bit PCI
- 100 MHz i960JX Core
- 16KB 2-Way I-cache, 4KB D-Cache
- 66 MHz 64-bit ECC SDRAM Controller
- Built-in Hardware XOR Engine for RAID parity
- On-board battery backup
- One 66 MHz SDRAM DIMM - 32 MB cache
- 1MB Flash ROM
- 32K NVRDM for RAID Configuration Storage
- 4 External 68-pin Very High Density Connectors

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