

# Serial PATA PCI Controller Card

## A-224 PCI SATA 4 Channel (2P + 4P) with RAID Card

### Features

#### Serial ATA

- Blus: PCI Specification Rev.2.3
- Data transfer rate : 150 MB/sec
- Compliant with Serial ATA 1.0 specification
- Hot Plug capable
- Compliant with PCI "Plug & Play"
- Support 48-bit sector addressing
- Supports all UDMA and PIO Modes
- Supports ACPI
- Supports Windows 2000, XP, 2003, Vista, 7, 8
- Optional RAID Set Accommodates Multiple Size HDDs
- Optional Supports RAID 0 (striped), RAID 1 (mirrored), RAID 0+1 (mirrored stripe)

#### PATA 133 IDE

- Compliant with PCI Specification, Rev.2.2, PCI Plug & Play, ATA/ATAPI-6 specifications, UDMA6 ATA/133 specifications.
- Features Virtual DMA: Bus master transfer on the PCI bus and PIO transfer on the ATA bus.
- Supports maximum IDE/ATA data transfer rate of 133 MB/sec
- Two independent Ultra ATA channels with 256/512 Bytes FIFO per channel
- Supports up to four IDE/ATA devices (Coexists with other IDE and SCSI controllers)
- Fully backwards compatible with Ultra ATA/100, Ultra ATA/66, Ultra ATA/33, EIDE/Fast ATA-2, IDE and ATAPI devices
- Supports Ultra and Multi-word DMA timing modes
- Enhanced data integrity of transferred data with CRC (Cyclical Redundancy Check) protection and verification
- Supports Windows 2000, XP, 2003, Vista, 7, 8
- Optional Supports RAID 0 (striped), RAID (mirrored), Raid 0+1 (mirrored-striped)
- The performance of the Ultra ATA/133 can only be achieved, when the below 3 requirements are met.
  1. The device must support Ultra ATA/133 mode.
  2. The motherboard and system BIOS or an add-on IDE controller card must support Ultra ATA/133 mode.
  3. The IDE cable must be 80-wires/40-pin and the length of the cable should not exceed 18 inches (44.1cm).
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