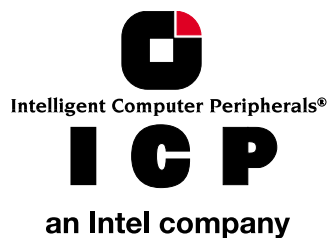


ICP Disk Array Controllers



32-Bit 33MHz PCI - Wide/Ultra160 SCSI



E x c e l l e n c e i n C o n t r o l l e r s

32-Bit 33MHz PCI - Wide/Ultra160 SCSI

Hardware RAID Controller

- RAID 0, 1, 4, 5 and 10
- Hot Plug, Auto Hot Plug with SAF-TE/SES Support
- Private or Pool Hot Fix drives
- totally independent of host and operating system

Versatile Connectivity

- 1 or 2 Wide/Ultra160 SCSI channels with active, software-switchable multi-mode termination
- either SE (Single Ended) or LVDS (Low Voltage Differential Signalling) operation
- maximum synchronous data transfer rate up to 160 MB/sec per channel (LVDS)
- up to 15 devices per channel
- cable length up to 12 meters (LVDS) per channel
- 1 or 2 external VHD connectors

Multiprocessor RISC Architecture

- 100 MHz Intel i960® RS RISC I/O processor
- completely offloads the host CPU

Memory Technology

- SDRAM cache memory, non-buffered PC133 DIMM, from 32 MB, 64 MB to 128 MB, ECC support
- intelligent multi-level Cache Algorithm with adaptive Delayed Write and Read Ahead cache functions

Compatibility and Performance

- Bus Master DMA transfer rates up to 132 MB/sec
- PCI 2.2 compatible
- Scatter/Gather, Command Queuing
- SCSI-2/-3 protocol support
- backwards compatible to Wide/Ultra SCSI devices

Driver Support

- MS-DOS*, Windows* 9x/NT/2000/XP, Novell* NetWare*, SCO* Unix*, UnixWare*, Linux*, Solaris* and FreeBSD*

Configuration Flexibility

- simultaneous operation of several disk arrays
- variable capacity configuration
- Online Capacity Expansion
- Online RAID Level Migration
- complete Disk Array Migration

Delivery Contents

- ICP Disk Array Controller (without RAM)
- User's Manual (Quick Installation Guide)
- ICP RAID Navigator and ICP RAID Console: installation and configuration programs as well as monitoring utilities
- CD-ROM with tools and drivers
- software updates with Flash RAM technology, easy download from www.icp-vortex.com

| ICP Controller | Number of Wide/Ultra160 SCSI Channels / Number of Attached Devices | Maximum Synchronous Data Transfer rate Per Wide/Ultra160 channel | RAID 0/1 Hot-Fix/Hot Plug and SAF-TE/SES Support | RAID 0, 1, 4, 5 and 10 Hot-Fix/Hot Plug and SAF-TE/SES Support | Cache RAM in MB | number of External VHD Connectors | PCB Size |
|----------------|--|--|--|--|-----------------|-----------------------------------|----------|
| GDT6113RS | 1/15 | 160MB/sec. | yes | upgradable | 32 - 128 | 1 | short |
| GDT6123RS | 2/30 | 160MB/sec. | yes | upgradable | 32 - 128 | 2 | short |
| GDT6513RS | 1/15 | 160MB/sec. | yes | yes | 32 - 128 | 1 | short |
| GDT6523RS | 2/30 | 160MB/sec. | yes | yes | 32 - 128 | 2 | short |



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