



PCI to Ultra SCSI Host Adapter

Overview

The inic-940 provides advanced Host Adapter features in a single 160 pin PQFP package with a ULTRA SCSI interface and a 32 bit PCI 2.1 compliant interface. The third memory interface allows access to a Serial E²PROM device. The Serial E²PROM interface provides Read/Write access to the attached Serial E²PROM for SCSI Bus Configuration information. The inic-940 also provides control for external SCSI Bus terminators and running the SCAM Level 1 Protocol.

Feature

PCI 32 bit Interface

- PCI 2.1 compliant interface.
- Burst transfer rates of 132 Mb/s.
- Built in hardware Intelligent scatter/gather execution engine.

SCSI Interface

- Dedicated SCSI processor for handling SCSI operations
- SCSI transfer rates from 5 Mb/s asynchronous SCSI to 20 Mb/s ULTRA SCSI.
- Supports both auto and programmable SCSI termination
- Supports Command Tag Queueing, Sync./ Asynch. Transfers, Disconnects and Reconnects.
- SCAM Level 1 support.

Memory Interface

- Support for Serial E²PROM and 128 Kbyte FLASH device

Data FIFO

- 64 Byte data FIFO.

INIC-940 on-chip processor

- SCSI protocol processor handles all SCSI bus phases.

Other features

- Supports Plug and Play to allow the user to change configurations without the use of jumpers.
- Implements Power Management
- Full driver support for all Major Operating Systems.
- Provides ASPI manager for DOS, Windows and Netware for third party applications.
- BIOS supports DOS and Windows applications without driver involvement.



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PRODUCT BRIEF

Block Diagram

