

The FT-SCSI is a daughter-card that allows direct connection to SCSI devices.

The FT-SCSI supports DMA access to memory allowing concurrent processing and SCSI transfer. The FT-SCSI supports SCSI II fast narrow transfers.



Features

- Uses the NCR 53C700 SCSI controller with an integrated 2 MIPS RISC SCSI scripts processor that operates without processor intervention
- High speed SCSI bus transfers (9.375 MB/sec synchronous, 5 MB/sec asynchronous)
- Full 32 bit DMA bus master
- Supports variable block size scatter/gather data transfers
- Supports long word data bursts of variable length
- Eliminates SCSI I/O initiation latency. The FT-SCSI requires only 500 nsec to initiate data transfer, compared to 2–8 msec typical of other SCSI controllers
- Performs complex bus sequences, including restoring data pointers, without interrupts
- Unique interrupt status reporting reduces interrupt service routine overhead
- Three SCSI device interface protocols are provided:
 - ◆ SCSI Command Descriptor Block
 - ◆ Block I/O with SCSI direct access devices
 - ◆ Byte I/O with SCSI disks

