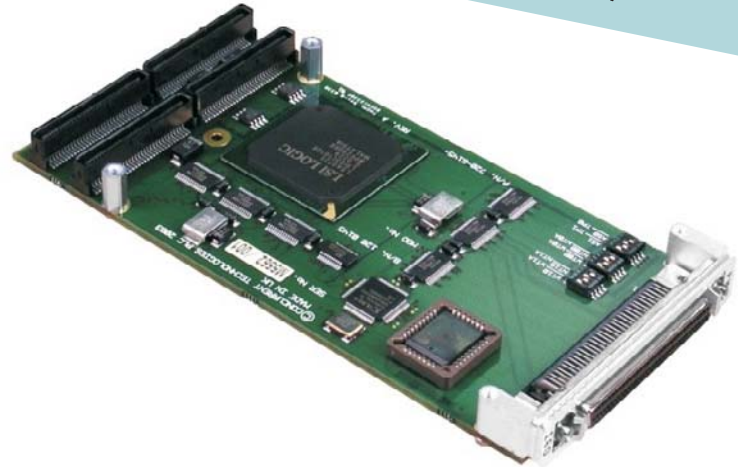


Dual Channel Ultra160 SCSI PMC Adaptor



APPLICATIONS

The SC PMC/160-U is a high performance intelligent Ultra160 SCSI adapter suitable for any PMC Host Board including VME Bus, Compact PCI® and Multibus II. Utilizing the LSI Logic® 53C1010R SCSI controller, the dual channel SC PMC/160-U alleviates the processing load of the host CPU by managing the SCSI protocol - including Ultra160 and previous protocols for backward

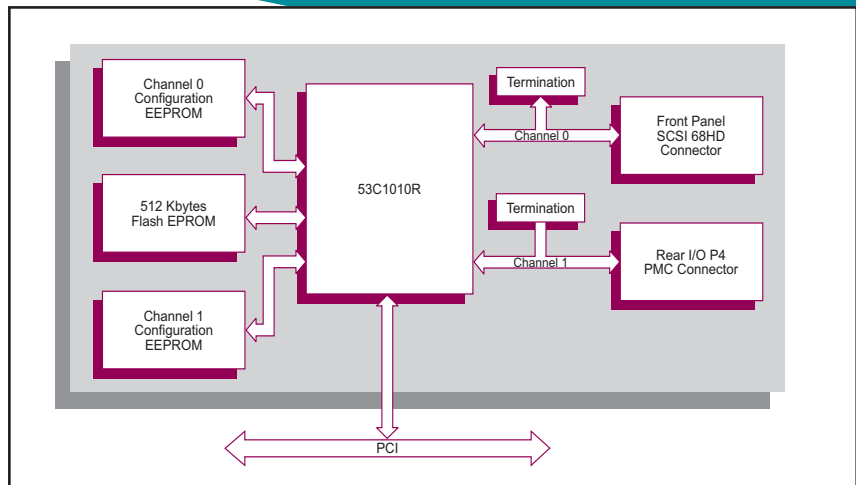
compatibility. The SC PMC/160-U is fitted with a 68-way High Density SCSI connector on the front panel and an additional interface via the rear I/O P4 PMC connector. To simplify the board's integration many popular industry standard operating systems are supported.

HIGHLIGHTS

- Dual channel SCSI interfaces:
 - Data rates up to 160 Mbytes/s throughput on each channel
 - Backwards compatible for all SE and LVD SCSI Transfer Modes
 - Narrow (8-bit) or wide (16-bit)
- 512 Kbytes Flash EPROM for BIOS
- PMC (PCI Mezzanine Card) format:
 - Single size CMC (Common Mezzanine Card)
 - 33/66 MHz, 32/64-bit PCI interface
 - 5V or 3.3V signaling
- Extended temperature version available:
 - -25°C to +70°C (E-Series)
- Software support for Windows NT®, Windows® 2000, Windows® XP, Windows® XP Embedded, Linux®, Solaris™, UnixWare® and VxWorks®
- For use with VMEbus, CompactPCI and Multibus II PMC Host Boards

SCSI Interface

- many SCSI standards supported:-
 - SPI-3 [Ultra160 SCSI] LVD (160 Mbytes/s) - wide
 - SPI-2 [Wide Ultra2 SCSI] LVD (80 Mbytes/s) - wide
 - SPI-2 [Ultra2 SCSI] LVD (40 Mbytes/s) - narrow
 - SPI [Wide Ultra SCSI] SE (40 Mbytes/s) - wide
 - SPI [Ultra SCSI] SE (20 Mbytes/s) - narrow
 - SCSI-2 [Fast Wide SCSI] SE (20 Mbytes/s) - wide
 - SCSI-2 [Fast SCSI] SE (10 Mbytes/s) - narrow
 - SCSI-2 [Wide SCSI] SE (10 Mbytes/s) - wide
 - SCSI-1 SE (5 Mbytes/s) - narrow
- narrow (8-bit) or wide (16-bit) single ended or LVD interfaces with auto-sense capability
- asynchronous and synchronous operation
- active termination and signal negation
- CRC (Cyclic Redundancy Check)
- AIP (Asynchronous Information Protection)
- SureLINK® Domain Validation
- Ultra160 SCSI I/O processor provides:-
 - double transition clocking for 160 Mbytes/s throughput on each channel
 - 33/66 MHz, 32/64-bit PCI interface
 - theoretical 528 Mbytes/s zero wait state transfer rate with 66 MHz/64-bit PCI interface
- utilizes LSI Logic® 53C1010R
- SCSI I/O connection via:-
 - front panel 68-way HD connector
 - rear I/O P4 PMC connector
- supports disk, tape and other peripherals



PMC Interface

- complies with PCI Protocol and Electrical Specifications
- supports PCI clock rates up to 66 MHz:-
 - 5V or 3.3V signaling interface
- 32/64-bit interface
- bus master capability
- base address and software configurable

BIOS EPROM

- 512 Kbytes, 8-bits wide Flash (29LV040)
- 32-pin JEDEC socket
- standard LSI Logic BIOS Firmware

Software Support

- support for Windows NT, Windows 2000, Windows XP, Windows XP Embedded, Linux, Solaris, UnixWare and VxWorks

Electrical Specification

- requires 3.3V and 5V supplies:-
 - all voltages to be within $\pm 5\%$
 - power consumption up to 5.4W (excluding SCSI bus requirements)
- +12V and -12V not utilized

Environmental Specification

- operating temperatures:-
 - 0°C to +55°C (N-Series)
 - -25°C to +70°C (E-Series)
- 10% to 90% relative humidity (operating and storage)
- -40°C to +85°C (storage)

Mechanical Specification

- single size CMC (Common Mezzanine Card) 74mm
- 10mm height stack module

ORDERING INFORMATION

Order Number Product Description (Hardware)

SC PMC/160-00U Dual Channel Ultra160 SCSI Adaptor for PMC with IO via front panel and rear connector

For extended temperature, E-Series, please contact your local sales office