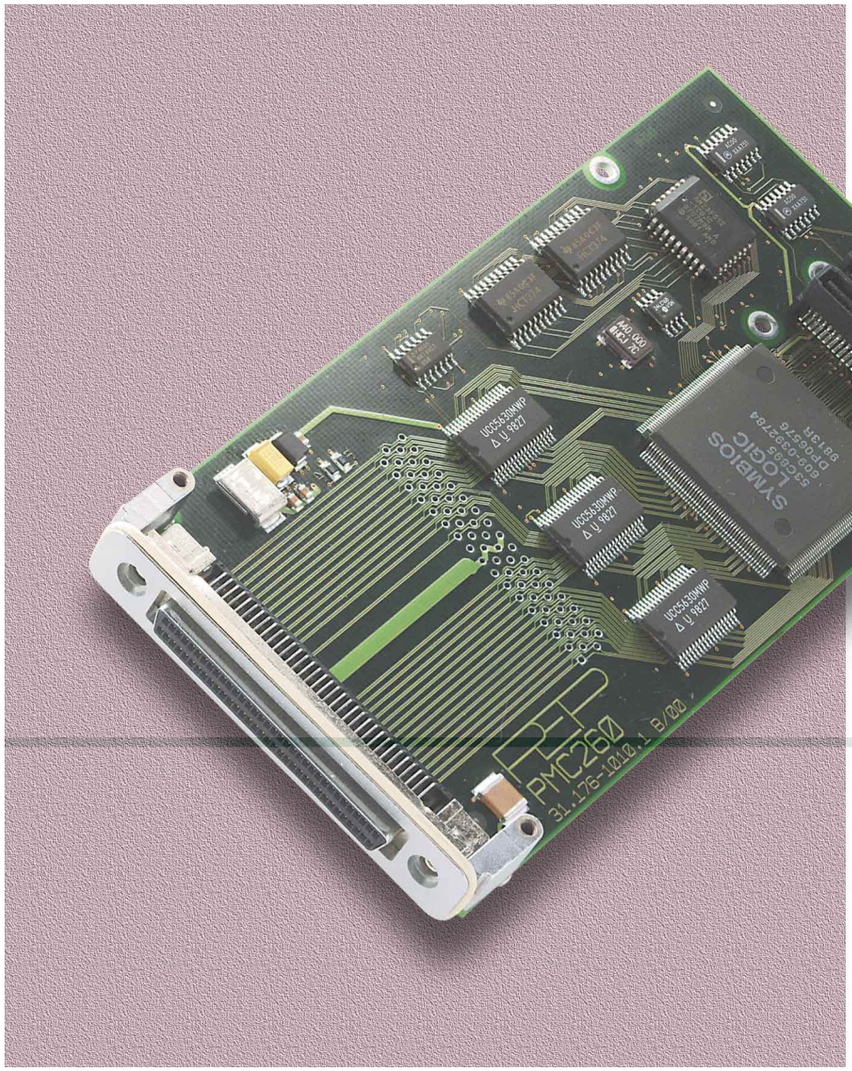
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PMC260

Plug-in PMC Ultra2 SCSI Controller for Data Storage Applications



Cost saving, rapid bus rates and improved reliability

- 32-bit PMC module
- Ultra2 SCSI I/O processor
- Up to 80 MBytes/s transfer rate
- Wide LVD SCSI-bus
- Up to 15 SCSI peripherals
- Up to 12 m SCSI cable
- Supports SCSI-1, SCSI-2, SCSI-3, Ultra SCSI and Ultra2 SCSI protocols
- On-board DMA FIFO
- Bus-master DMA
- Windows NT and VXWorks driver
- CE conformance

Improved data transfer rates, parallel data integrity, up to 12 m SCSI-cable lengths and easy system configuration for up to 15 peripherals are just some of the benefits provided by this Ultra2 SCSI PMC module from PEP.

CERTIFIED
DIN ISO 9001
QUALITY SYSTEM
Reg. No. 0548 - 02

Modular Computers®

Product Overview

PMC260

Remaining compatible with existing SCSI protocols, the PMC260 with up to 80 MBytes/s data transfer rate combines the highest Ultra2 SCSI technology with PMC modularity.

Based on the Ultra2 SCSI controller, the SYM53C895 from Symbios Logic, the PMC260 provides LVD (Low Voltage Differential) signalling for SCSI. LVDlink™ technology (Symbios Logic's implementation of LVD transceivers), eliminates the distance and device constraints that exist in today's Ultra SCSI single-ended designs while offering higher data transfer rates.

Depending on SCSI bus connections, bus cabling conditions are sensed and the universal LVDlink transceivers automatically select single-ended or LVD SCSI modes. Active, on-board SCSI bus termination allows the user to do away with traditional termination devices.

An on-board BIOS comes complete with a built-in, ready-to-use SCSI configuration utility.

PMC Interface

Compatible with P1386 specification v. 2.0
32-bit/33 MHz
3.3V/5.0 V compatible
Interrupt level INTA support

Characteristics

Symbios-Logic SYM53C895 master with 8/16-bit SCSI bus
On-chip LVD (Low Voltage Differential) link transceivers
Automatic sense and switching mechanism for single-ended SCSI devices
816 Byte FIFO buffer for large block transfers
Supports SCSI-1, SCSI-2, SCSI-3, Ultra SCSI and Ultra2 SCSI protocols
Active on-board auto-termination
512 kbit FLASH for BIOS extension

Software Support

Microsoft Windows® NT 4.0
WindRiver Systems VxWorks®

Common

Front-Panel:	68-pin high density SCSI connector
Power Consumption:	1.25W (typ.) @ 5V DC
Dimensions:	149 mm x 74 mm
Temp. Ranges:	0°C to + 60°C (standard)
	-25°C to +75°C (extended)
	-55°C to +85°C (storage)
Operating Humidity:	0% to 95% (non-condensing)
Weight:	80 g

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Publication Number AB 20179 DS-1999

Product	Description	Order No.
PMC260	Intelligent Ultra2 SCSI controller for applications supporting up to 15 SCSI peripherals	18885
PMC260	As order number 18885 but with SCSI connector mounted on underside (consumes 2 CompactPCI slots)	19204
KIT-PMC260	Drivers and setup utilities for Windows NT with user's manual documentation in PDF format on 3.5" floppy disk	18888
MAN-PMC260	Printed user's manual for the PMC260	19930
HDD-U2SCSI-4.5GB	CPCI HDD Ultra2 SCSI (LVD) >4.5 GByte	19598
CABLE-U2SCSI	CPCI-CABLE for Ultra2 SCSI	19599
ADAP-U2SCSI	Adapter from 68pin Ultra2 (LVD) to 50pin SCSI	19602
TERM-U2SCSI	Terminator for Ultra2 SCSI (LVD)	19605

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