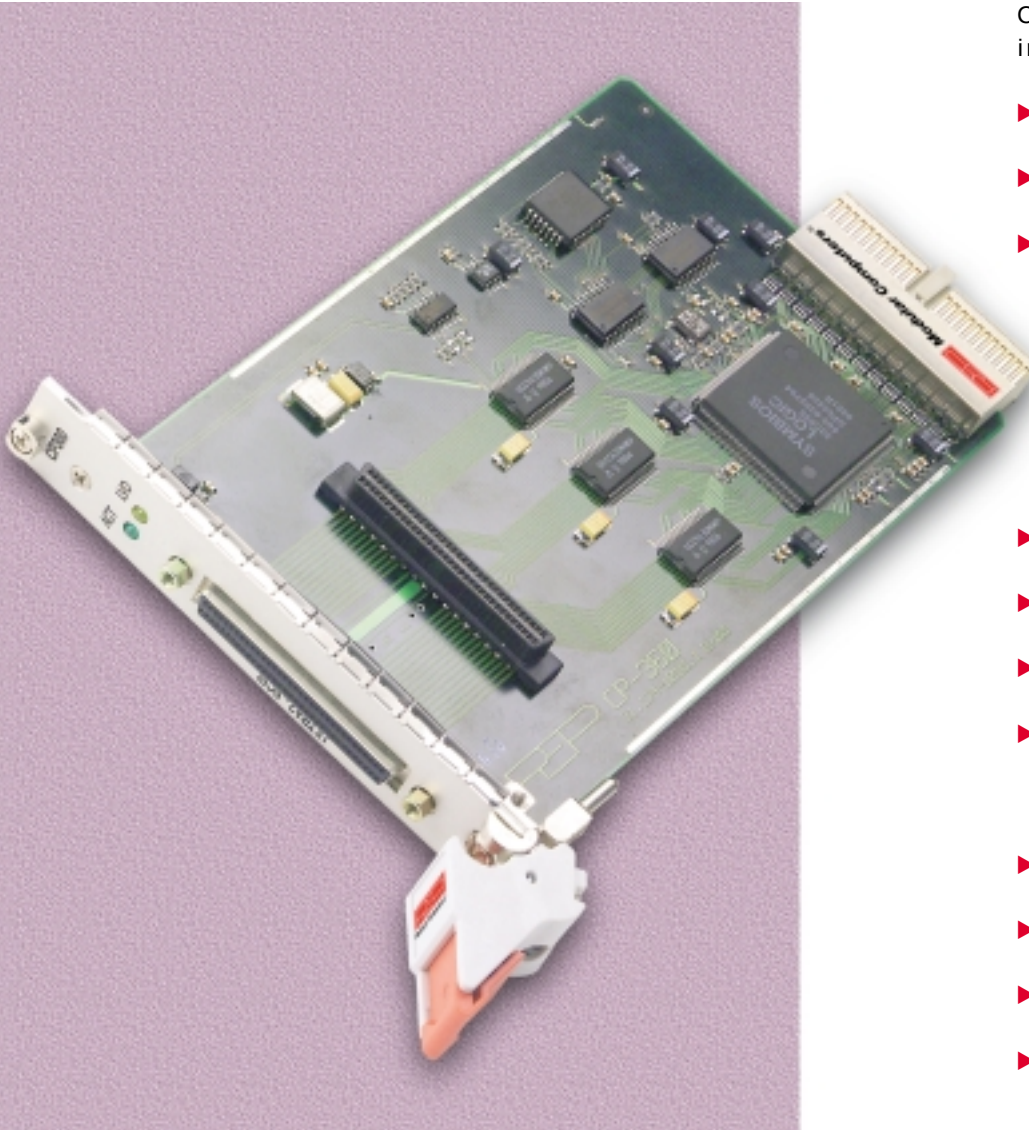


I/O
GRAPHICS
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CP360

Ultra2 SCSI Controller for CompactPCI Applications



Cost saving, rapid bus rates and improved reliability

- ▶ 32-bit CompactPCI board
- ▶ Ultra2 SCSI I/O processor
- ▶ Up to 80MBytes/s transfer rate

- ▶ Wide LVD SCSI-bus
- ▶ Up to 15 SCSI Peripherals
- ▶ Up to 12m SCSI cable
- ▶ Supports SCSI-1, SCSI-2, SCSI-3, Ultra SCSI and Ultra2 SCSI protocols
- ▶ On-board DMA FIFO
- ▶ Bus-master DMA
- ▶ Windows NT driver
- ▶ CE conformance



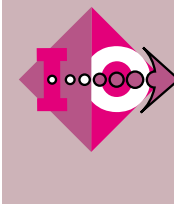
Improved data transfer rates, parallel data integrity, up to 12m SCSI-cable lengths and easy system configuration for up to 15 peripherals are just some of the benefits provided by this Ultra2 SCSI CompactPCI board from PEP.



Modular Computers[®]
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Product Overview

CP360



Remaining compatible with existing SCSI protocols, the CP360 with up to 80 MByte/s data transfer rate combines the highest Ultra2 SCSI technology with the latest CompactPCI.

Based on the Ultra2 SCSI controller, the SYM53C895 from Symbios Logic, the CP360 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 and indicate the mode via the LVD LED. Active, on-board SCSI bus termination allows the user to do away with traditional termination devices. The on-board BIOS comes complete with a built-in, ready-to-use SCSI configuration utility.

CompactPCI Interface

Compatible with CompactPCI specification v.2.1
32-bit/33 MHz
3.3V/5.0V compatible
Interrupt level INTA support

Controller

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

Software Support

Microsoft Windows NT 4.0, VxWorks, QNX

Common

Active on-board auto-termination
1 Mbit FLASH for BIOS extension
LEDs: SCSI-bus active (green); LVD active (yellow)
Front-Panel: 68-pin high-density SCSI connector
Power Consumption: 1.3W (typ.) @ 5V DC
Dimensions: 100mm x 160mm (3U card size)
Operating Temp.: 0°C to +60°C
Storage Temp.: -55°C to +85°C
Operating Humidity: 0% to 95% (non-condensing)
Weight: 150g

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Publication Number 19169 DS-10/2000

Product	Description	Order No.
CP360	Intelligent Ultra2 SCSI controller for 3U CompactPCI applications supporting up to 15 SCSI peripherals	18610
CP-CABLE-U2SCSI	CPCI-CABLE for Ultra2 SCSI (LVD)	19599
CP-ADAP-U2SCSI	Adapter from 68-pin U2SCSI to 50-pin SCSI	19602
CP-TERM-U2SCSI	Active Terminator (LVD/SE) for ULTRA SCSI	19605
CP-HDD-U2SCSI-9.0GB	HDD Ultra2 SCSI (LVD), >9.0GB, 3.5"	20902
KIT-CP360	Drivers and setup utilities for Windows NT with user's manual documentation in PDF format on 3.5" floppy disk	18611
MAN-CP360	Printed user's manual for the CP360	19127

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