



CPCI-HD/2

HD-Drive, CompactFlash and 2 SATA Interfaces

- Single slot 3 U
- On-board hard disk
- CompactFlash-card slot in front panel
- CompactFlash hot-plug capable
- Two Serial ATA interfaces for external drives

Hard Disk Drive On-Board

The module CPCI-HD/2 is a CompactPCI board in 3 U form factor (4 HP). It is equipped with the SATA-Controller Sil3114 that supports four SATA-channels. There are two channels used as Serial ATA interfaces, one channel is to control a CompactFlash slot and one channel to control the local 2.5" HD drive. The factory installed HD capacity may change upwards with the improvement of drive technology.

CompactFlash Card Interface

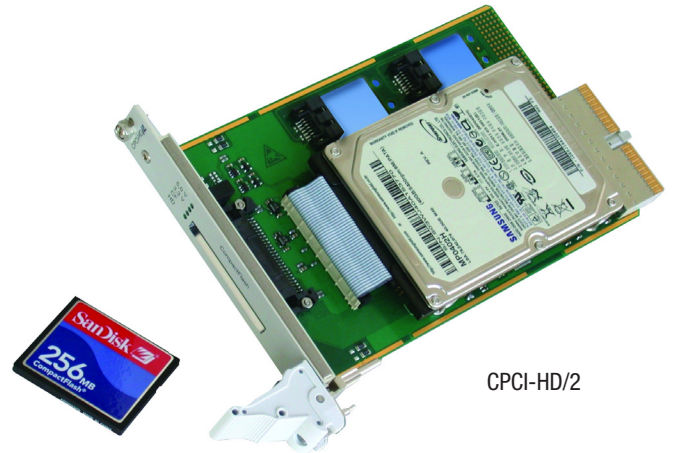
The board is equipped with a type I CompactFlash cardholder with the card slot accessible through the front panel, supporting 'Hot pluggable' operation, and accessing data in 'True IDE' mode.

Interfaces for External Devices

Two on-board SATA plugs allow attachment of two external devices, and modification to rear I/O-connection is possible on request.

Software Support

The CPCI-HD/2 runs with the standard system drivers of Linux (from Kernel 2.6.19), QNX (from 6.x) and Windows (Vista, 2003 Server, 2000/XP).



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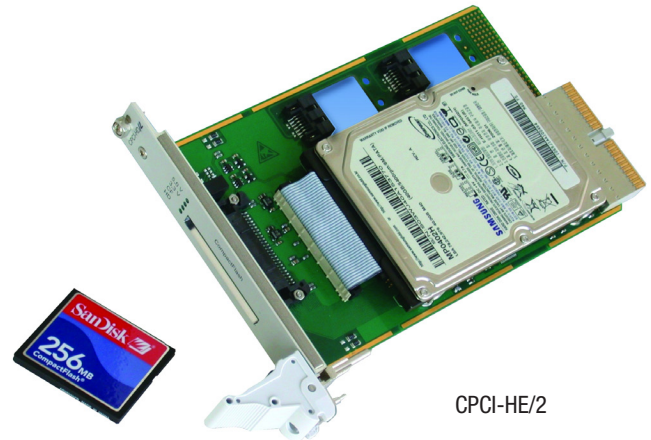
For further information please visit
<http://www.esd-electronics-usa.com/CompactPCI.html>

growing with the
challenge

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CPCI-HE/2

Technical Specifications

CompactPCI connection	
Interface	according to CPCI Specification, Rev. 2.0, 32 bit, 33/66 MHz
PCI-bridge	Sil3114
Hard Disk Drive and CompactFlash	
IDE device bridge	Sil3811
HD drive	44-pole 2 mm IDE connector, 2.5" HD drive, capacity >40 GB
CompactFlash	according to CompactFlash™ specification, type I CompactFlash card holder, True IDE™ mode, 3.3 V power supply
Hot plugging	hot plug capability (Linux and Windows systems)
SATA interface	
SATA controller	Sil3114, SATA 1.0 specification compliant
Connector	SATA signal plug with peg and locking latch
General	
Ambient temp	0 ...+50o C
Humidity	Max. 90%, non-condensing
Power supply	3.3 V / 80 mA, 5V /max. 1.5 A (startup current, typ. with 40 GB HDD) 5V / 0.6 A (quiescent current)
Status LEDs	4 LEDs (SATA0 - SATA3 activity)
Board dimension	3 U height, 4 HP width

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Order Information

Designation		order no.
CPCI-HD/2	CompactFlash interface, 2x SATA interface; HD-drive > 40 GB	1.2318.04
CPCI-HD/2-SATA/IDE Interface	As 1.2318.04, but without HD-drive installed	1.2318.02
CPCI-HD/2-IDE-Kit	Mounting Kit for 2.5" IDE-hard disk	1.2318.03

