

# 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

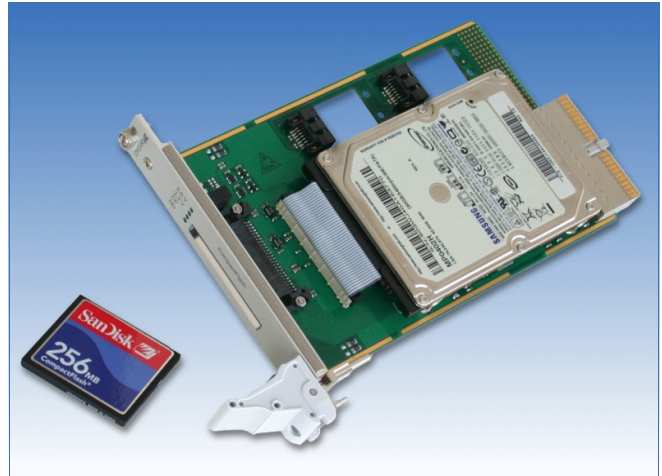
The module CPCI-HD/2 is a CompactPCI board in 3 U form factor (4 HP). It is equipped with the SATA-Controller Sil3114 that supports four SATA-channels. Two channels are used as Serial ATA interfaces, one channel is used to control a CompactFlash slot and one channel to control the local 2.5" HD drive. 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 card holder. The card slot is accessible through the front panel. 'Hot pluggable' operation is supported. Data access is executed in 'True IDE' mode.

### Interfaces for External Devices

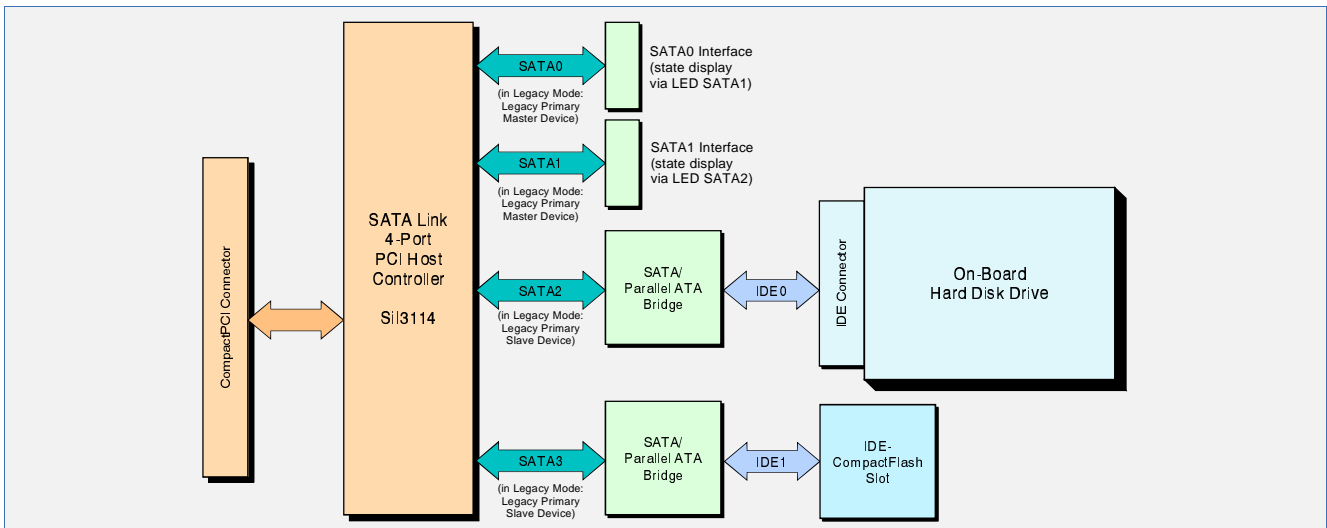
Two external devices can be attached via two on-board SATA plugs. Modification to rear I/O-connection is possible on request.



### 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).

(This product is in life cycle stage end-of-life.)



### Technical Specifications:

<b>CompactPCI connection:</b>	
Interface:	according to CPCI Specification, Rev. 2.0, 32 bit, 33/66 MHz
PCI-bridge:	Sil3114
<b>Hard Disk Drive and CompactFlash:</b>	
IDE device bridge:	Sil3811
HD drive:	44-pole 2 mm IDE connector, 2.5" HD drive, capacity $\geq$ 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)
<b>SATA interface:</b>	
SATA controller:	Sil3114, SATA 1.0 specification compliant
Connector:	SATA signal plug with peg and locking latch

<b>General:</b>	
Ambient temp.:	0 ... +50 °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
<b>Order information:</b>	
Designation	order no.
CPCI-HD/2	CompactFlash interface, 2x SATA interface; HD-drive $\geq$ 40 GB included 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
Please ask our support for available IDE-hard disk drives.	