CPCIp-rtws4-8Slot
CompactPCI® PlusIO 4 U / 84 HP System with 250 W Supply

4x CPCI Serial Slots and 3x CPCI Classic Slots

- CPCI classic interface slots with Rear-IO connectors
- 4 U / 84 HP 160 mm / 19" rack mounting
- 2x Full Mesh Ethernet
- 250 W power supply
- 3x cooling fan

Approved Design

- Design based on long term system integration experience
- EMC and safety approved
- Direct technical support by esd

Flexible Usage

- Compatible with cards of most CompactPCI vendors
- Flexible migration between Classic and Serial standard
- Standardized components used, allowing easy adaptation
- System integration support option

CompactPCI PlusIO

CompactPCI is an approved standard by the PICMG® for high end industrial information equipment. The popularity of PCI Express and other serial communication technologies has led to the CompactPCI serial standard. CompactPCI PlusIO offers the usage of
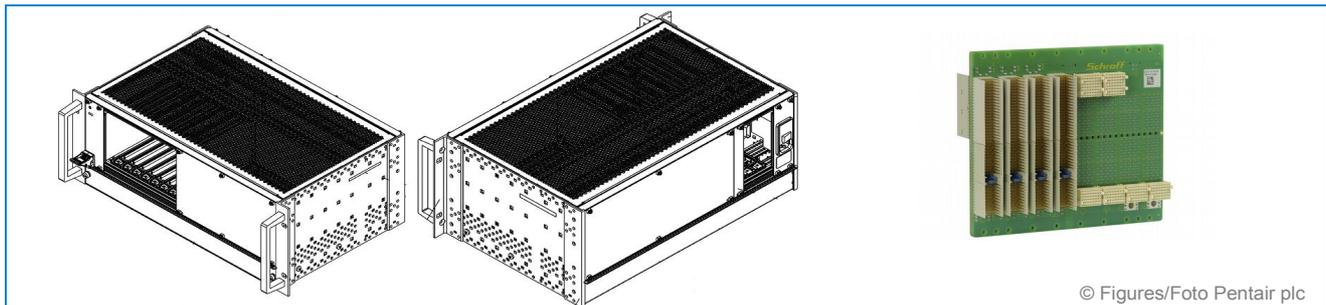

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CompactPCI classic cards and CompactPCI serial cards in one system. Because of the standardization, the system could be easily adapted by the user.

esd System Integration

esd has experience with CompactPCI system integration since 2003. The portfolio includes high end CPU cards and a vast collection of interface cards like fieldbus (CAN, EtherCAT®, PROFINET®, PROFIBUS®), IO, storage and other serial communication. esd owns expert knowledge about various operation systems like Windows®, Linux®, QNX®, RTX and VxWorks®. For customized solutions, please contact our sales department.

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Technical Specifications:

Conformity:

PIGMG PlusIO	CPCI PlusIO 2.30 conform, 32-bit CPCI bus on P1, PCIe, SATA, USB & Ethernet on P2
PIGMG Classic	PICMG CPCI 2.0 conform, 3x peripheral slots, 32-bit bus on P1, REAR-IO on P2
PIGMG Serial	PICMG CPCI-S.0 conform, 4x peripheral slots with PCIe x1, SATA and USB, Full Mesh Ethernet on system slot and 2 CompactPCI Serial slots, supports up to 10GBASE-T
Mechanical	IEC 60297-3-101, -102, -103

General:

Cover plates	As shown in figures above, on request optional cover plates are available
Temperature	0 °C ... +50 °C (ambient)
Relative humidity	Max. 90 % (non-condensing)
Dimensions	177 mm (4 U) x 160 mm (84 HP) x 275 mm
Weight:	Approx. 7,5kg
EMC / Safety	EMC-shielded, main components are UL classified, IP 20, EN 61000-6-2, EN 61000-6-3, EN 60068,2-6, EN 60068-2-27

Electrical Specification

Power input	100 ... 240 VAC with power factor correction (PFC), 250 W, 50 ... 60 Hz
Power supply	5 V/40 A, 3.3 V/40 A, 12 V/5.5 A, -12 V/2 A
V(I/O)	V(I/O) preset to 5 V; can be set to 3.3 V by optional conversion kit on request

Order Information:

Hardware		Order No.
CPCIp-rtws4-8Slot	4+4 Slot PlusIO system	I.4100.01

Accessories

CPCI-3.3VIO-KIT	Kit for equipping a CompactPCI backplane (Schroff/Pentair) to 3.3 V VIO voltage in a system rack	I.4000.10

Compatible PlusIO CPUs

PC2-620D-LIMBO	1.6 GHz Atom E680T	I.1302.01
PC3-280D-ALLEGRO	1.7 GHz i7 dual core	I.1303.02
PC3-480D-ALLEGRO	2.5 GHz i7 dual core	I.1303.03
PC3-680D-ALLEGRO	2.1 GHz i7 quad core	I.1303.04

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