CPCIs-rtws4-9Slot
CompactPCI® Serial 4 U / 84 HP System with 300 W Supply

8x CompactPCI Serial Interface Slots + CPU
- CPU slot with 8 HP option located on the right
- 4 U / 84 HP 160 mm / 19" rack mounting
- 300 W power supply (Pentair/Schroff 11098-538)
- 2x cooling fans

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
- Standardized components used, allowing easy adaptation
- System integration support option

CompactPCI Serial
CompactPCI Serial 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. Because of the standardization, the system can be easily adapted by the user.
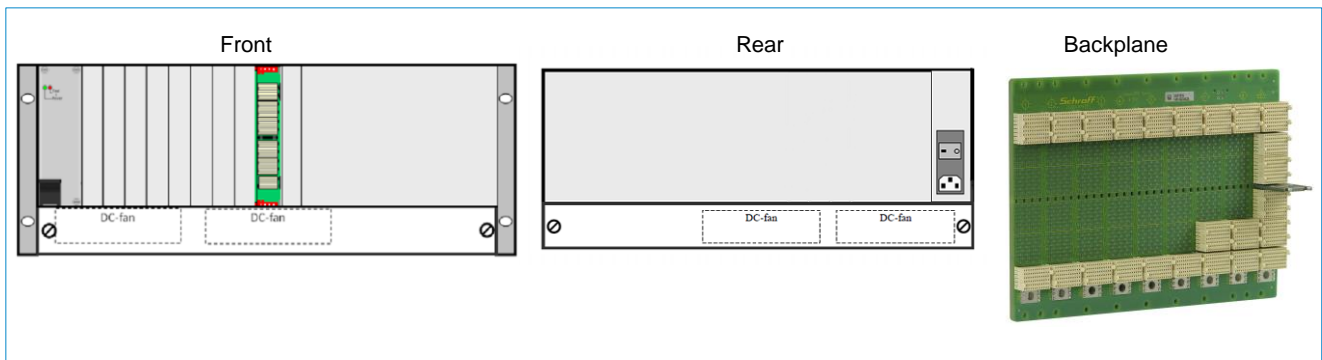
Backplane Options on Request
The "Full Mesh" option offers a multiprocessing support at the backplane via Ethernet, allowing additional system slot boards in peripheral slots, communicating with a data throughput of up to 10 Gbit/s. The Rear-IO option offers usage of rear boards.

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®.

Customization on Request
Customized options are available for customized series production in reasonable quantities. Please contact our sales team for detailed information.

Front   Rear   Backplane

Technical Specifications:

Conformity:	
PIGMG Serial	PICMG CPCI-S.0 conform, 7x peripheral slots with PCIe (Gen3), SATA (rev. 3.0) and USB (2.0 & 3.0), Single Star Ethernet (up to 10GBASE-T)
Mechanical	IEC 60297-3-101, -102, -103

General:	
Backplane	Pentair/Schroff 23007-639
Cover plates	9x pre-mounted 4 HP cover plates at front, CPU slot keeps open
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:	6.75 kg
EMC / Safety	EMC/EMI approved, main components are UL classified, IP 20

Electrical Specification	
Power supply type	Pentair/Schroff 11098-538
Power input	• 100 ... 240 VAC, 300 W, 50 ... 60 Hz • Power factor correction (PFC) • EMI filter, on/off switch, 2x fuse 5 AT
Power supply	12 V / 25 A, 5.0 V / 2.5 A standby
Earth connection	System ground isolated per default

Order Information:		
Hardware		Order No.
CPCIs-rtws4-9Slot	9 slot, Single Star Ethernet	I.4200.01

Compatible CompactPCI Serial CPUs		
SC1-280D-ALLEGRO	1.7 GHz i7 dual core, mDP	I.1401.01
SC1-480D-ALLEGRO	2.5 GHz i7 dual core, mDP	I.1401.02
SC1-680D-ALLEGRO	2.1 GHz quad core, mDP	I.1401.03
SC1-680V-ALLEGRO	2.1 GHz quad core, VGA	I.1401.04