

# System-Module CompactPCI



## Description

The special design features of the CompactPCI system modules:

- ✓ The refined RFI-shielding concept enables high shielding effectiveness (see the RFI-SHIELDED chapter).
- ✓ The construction offers additional space for drives and hard disks.
- ✓ They are fitted with an ATX 300 W power supply unit with a wide-range input and PFC.
- ✓ CPCI backplane in accordance with specification 2.0 Rev. 3.0, with or without rear I/O

✓ Convection or active ventilation modules:

## Delivery

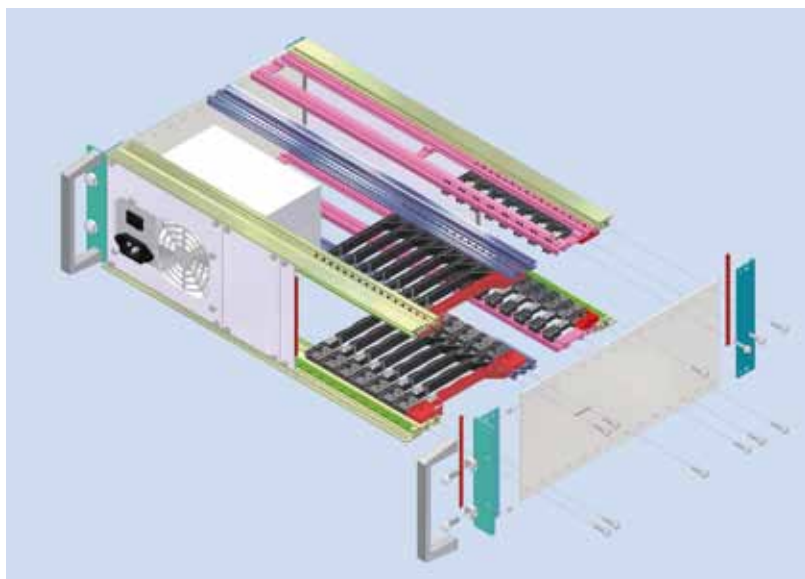
The subrack is delivered assembled.

Other systems on request.

## Technical data

Standards	compliant with DIN 41 494, IEC 60297-3, IEEE 1101.10 IEC 61 076-4-101, CPCI Specification 2.0, Revision 3.0
Width / horizontal pitch	84 usable HP/ 5.08 mm
Depth of the inserted board	160 mm at the front, 80 mm at the rear
Depth increment side panel	10 mm
Materials	screws: steel contact springs: stainless steel card guide: plastic other parts: aluminum
Finish	screws: galvanized und chromated side panels and cover plates: blank (seawater resistance) other parts: chromated
Protection class	DIN 40 050 IP 20 (with cover plates) contact protection in accordance with VDE 0160
Utilization category	-25 °C, +70 °C, 75% relative humidity
Protective grounding	all metal parts are electrically bonded to one another following assembly in accordance with VDE 100 D 12.65, § 6 Nb.

## System-Module CompactPCI



Consists of:

- 1 Subrack *RFI-SHIELDED CPCI / REAR I/O* 84HP,  
260mm nom. depth  
(160mm at the front, 80mm at the rear)
- 1 Backplane 8Slot, 3U, 32Bit, system slot right
- 1 ATX 300W power supply unit with a wide-range input  
and PFC, with assembled front panel.
- 1 Blind front panel 16HP at the front.
- 1 Blind front panel 4HP at the front.
- 1 Blind front panel 48HP at the rear.
- 1 Blind front panel 8HP at the rear.
- 1 Pair of card guides red 160 mm (CPU)  
including IEEE-coding and ESD-spring in the bottom card guide.
- 1 Pair of card guides red 80 mm (CPU)  
including IEEE-coding and
- 7 Pair of card guides black 160 mm (CPU)  
including IEEE-coding and ESD-spring in the bottom card guide.
- 7 Pair of card guides black 80 mm (CPU)  
including IEEE-coding and ESD-spring in the bottom card guide.

# System-Module CompactPCI-3 U-Rear I/O and 6 U-Rear I/O



**System-Module CompactPCI-3 U-Rear I/O**

order no.: 409. 122 295

Consists of:

- 1 Subrack *RFI-SHIELDED CPCI / REAR I/O* 84 HP, 260 mm nom. depth (160 mm at the front, 80 mm at the rear)
- 1 Backplane 8 Slot, 3 U, 32 Bit, system slot right
- 1 ATX 300W power supply unit with a wide-range input and PFC, with assembled front panel.
- 1 Blind front panel 16 HP at the front.
- 1 Blind front panel 4 HP at the front.
- 1 Blind front panel 48 HP at the rear.
- 1 Blind front panel 8 HP at the rear.
- 1 Pair of card guides red 160 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.
- 1 Pair of card guides red 160 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.
- 7 Pair of card guides black 160 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.
- 7 Pair of card guides black 80 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.



**System-Module CompactPCI-6 U-Rear I/O**

order no.: 409. 122 297

Consists of:

- 1 Subrack *RFI-SHIELDED CPCI / REAR I/O* 84 HP, 260 mm nom. depth (160 mm at the front, 80 mm at the rear)
- 1 Backplane 8 Slot, 6 U, 64 Bit, system slot right
- 1 ATX 300W power supply unit with a wide-range input and PFC, with assembled front panel. (optional front panel for a drive over the power supply).
- 1 Blind front panel 16 HP at the front.
- 1 Blind front panel 4 HP at the front.
- 1 Blind front panel 48 HP at the rear.
- 1 Blind front panel 8 HP at the rear.
- 1 Pair of card guides red 160 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.
- 1 Pair of card guides red 80 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.
- 7 Pair of card guides black 160 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.
- 7 Pair of card guides black 80 mm (CPU) including IEEE-coding and ESD-spring in the bottom card guide.

## System-Module CompactPCI - 6+3 U-Rear I/O and 4 U-Rear I/O



**System-Module CompactPCI-6+1U-Rear I/O**

order no.: 409. 122 301

Consists of:

- 1 subrack *RFI-SHIELDED CPCI / REAR I/O*  
84 HP, 260mm nom. depth  
(160mm at the front, 80mm at the rear)
- 1 Backplane 8 Slot, 6U, 64Bit, system slot right
- 1 ATX 300W power supply unit with a wide-range  
input and PFC, with assembled front panel.  
(optional front panel for a drive over the power supply).
- 1 Blind front panel 16HP at the front.
- 1 Blind front panel 4HP at the front.
- 1 Blind front panel 48HP at the rear.
- 1 Blind front panel 8HP at the rear.
- 1 Fan drawer with integrated fan.
- 1 Pair of card guides red 160 mm (CPU)  
including IEEE-coding and ESD-spring  
in the bottom card guide.
- 1 Pair of card guides red 80 mm (CPU)  
including IEEE-coding and  
ESD-spring in the bottom card guide.
- 7 Pair of card guides black 160 mm (CPU)  
including IEEE-coding and ESD-spring  
in the bottom card guide.
- 7 Pair of card guides black 80 mm (CPU)  
including IEEE-coding and ESD-spring  
in the bottom card guide.



**System-Module CompactPCI-4 U-Rear I/O**

order no.: 409. 122 300

Consists of:

- 1 subrack *RFI-SHIELDED CPCI / REAR I/O*  
84 HP, 260mm nom. depth  
(160mm at the front, 80mm at the rear)  
for horizontal embedded 6 U PCB's
- 1 Backplane 4 Slot, 6U, 64Bit, system slot right  
(1 Slot free e. g. for hard disk or driver)
- 2 Front panels 6U - 4HP (1 at the front, 1 at the rear)
- 1 ATX 300W power supply unit with a wide-range  
input and PFC, with integrated 32 HP Front panel  
at the front.
- 1 Fan
- 1 Pair of card guides red 160 mm (CPU)  
including IEEE-coding  
and ESD-spring in the bottom card guide.
- 1 Pair of card guides red 80 mm (CPU)  
including IEEE-coding and  
ESD-spring in the bottom card guide.
- 4 Pair of card guides black 160 mm (CPU)  
including IEEE-coding and  
ESD-spring in the bottom card guide.
- 4 Pair of card guides black 80 mm (CPU)  
including IEEE-coding and  
ESD-spring in the bottom card guide.

# System-Module Configuration

## Configuration System-Module CompactPCI

<input type="checkbox"/> Housing <input type="checkbox"/> Subrack	pieces _____ pieces _____
<b>Dimensions</b>	<b>height:</b> <input type="checkbox"/> 3 U <input type="checkbox"/> 6 U <input type="checkbox"/> other _____ U <b>width:</b> <input type="checkbox"/> 84 HP <input type="checkbox"/> 42 HP <input type="checkbox"/> other _____ HP <b>depth:</b> <input type="checkbox"/> 260 mm <input type="checkbox"/> other _____ mm
<b>Backplane</b>	<input type="checkbox"/> <b>CPU</b> number of slots _____ <input type="checkbox"/> <b>J1 VME</b> number of slots _____ <input type="checkbox"/> <b>J1/J2 Monolithic VME</b> number of slots _____ <input type="checkbox"/> <b>VME64x</b> number of slots _____ Rear I/O: <input type="checkbox"/> 80 mm <input type="checkbox"/> other _____ mm <input type="checkbox"/> <b>CPCI</b> number of slots _____ System slot: <input type="checkbox"/> right <input type="checkbox"/> left Width system slot: <input type="checkbox"/> 4 HP <input type="checkbox"/> 8 HP Rear I/O : <input type="checkbox"/> 80 mm <input type="checkbox"/> other _____ mm
<b>Mounting position PCB</b>	<input type="checkbox"/> horizontal <input type="checkbox"/> vertical
<b>Depth of the PCB</b>	<input type="checkbox"/> 160 mm <input type="checkbox"/> other _____ mm
<b>Power supply / PSU</b>	<input type="checkbox"/> AC / DC <input type="checkbox"/> DC / DC <input type="checkbox"/> ATX <input type="checkbox"/> 300 Watt <input type="checkbox"/> 400 Watt <input type="checkbox"/> 19" <input type="checkbox"/> 300 Watt <input type="checkbox"/> 400 Watt <input type="checkbox"/> other                              Watt _____ <input type="checkbox"/> active ventilation of the system
<b>Accessories</b>	<input type="checkbox"/> Harddisc <input type="checkbox"/> CD-ROM <input type="checkbox"/> Keypad
<b>Notes</b>	<hr/> <hr/> <hr/> <hr/>

Please ask your local representative for your  
**individual system-module-configuration.**  
 You find your contact person on our homepage:  
[www.intermas-el.com](http://www.intermas-el.com)