



*Schroff*

# COMPACTPCI

Cabinets ..... 1

Wall mounted cases ..... 2

Accessories for cabinets and wall mounted cases . 3

Climate control . 4

Electronics cases ..... 5

Subracks/ 19" chassis .... 6

Front panels, plug-in units ... 7

Systems ..... 8

Power supply units ..... 9

Backplanes ... 10

Connectors, front panel component system ..... 11

Appendix ..... 12



12306002

**What we understand to be a system**

We at Schroff regard a system as being a combination of mechanical components like a subrack or case with electronic components such as a backplane and power supply unit, a cooling unit where appropriate and a system management module.

**A strong standard range**

Our extensive and highly-developed standard range offers you mechanical, electronic and thermal components in an almost unlimited variety of dimensions and specifications. Simply select a complete ready system or configure your system from our standard components, online or using the catalogue, to your exact requirements.

**Flexibility for modifications**

Often only small adjustments are needed to create the required solution from a standard product. And we have set ourselves up to offer just that. We can make modifications in accordance with your individual specifications - with our usual speed and reliability.

**Competent with new developments**

If your requirements cannot be met with standard products or modified standard solutions, our qualified and experienced team will create a customised solution for your system. We have all the necessary development and manufacturing competencies gathered under one roof.

**Standards/Approvals**

- Inner and outer dimensions in accordance with: IEC 60297-3-101 / IEEE 1101.1  
IEC 60297-3-102 / IEEE 1101.10/11  
IEC 60297-3-103
- Ingress protection IP 20 in accordance with IEC 60529
- EMC testing in accordance with IEC 61587-3
- In accordance with PICMG 2.0 rev. 3.0, PICMG 2.16 and PXI 2.0



**Areas of application**

- Measurement, control and instrumentation technology
- Automation technology, machine monitoring
- Aerospace
- Defence systems
- Medical technology
- Telecommunications



User manuals and technical documentation at [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
Enter part number

# Systems – CompactPCI subrack systems

## CompactPCI subrack and case systems

- Large selection of standard CompactPCI, PSB and H.110 systems
- Standard systems to the new CompactPCI PlusIO and CompactPCI Serial standards
- Individual configuration within 9 working days
- Custom solutions on request



### CompactPCI Serial

CompactPCI Serial (PICMG CPCI-5.0) is a systematic further development of CompactPCI. Instead of the former PCI bus, this defines the current and future serial protocols for data transmission. In addition to PCIe, S-ATA, USB 2.0 & 3.0 and Ethernet are also available on every slot.

CompactPCI Serial  
4 U, 9 slot ..... 8.70



### CompactPCI PlusIO

CompactPCI PlusIO (PICMG 2.30) defines a unified pinout for the fast serial PCIe, S-ATA, USB and Ethernet protocols on the 32-bit CompactPCI system slot. Hybrid CompactPCI/CompactPCI Serial systems can be built. CompactPCI PlusIO thus offers simple migration to the new technology.

CompactPCI PlusIO  
4 U, 8 slot ..... 8.72



### CompactPCI

CompactPCI (PICMG 2.0) was specified in 1995 and is based on the widely-used PCI bus. This bus, with the CompactPCI specification, is packaged in a robust modular 19" enclosure and is thus suitable for industrial use.

CompactPCI  
subrack systems  
with ATX power  
supply, 1, 2, 3 U .. 8.75  
with 19" power  
supply, 1, 2, 3  
and 4 U ..... 8.76  
3 U ..... 8.77  
4 U ..... 8.78  
6 U ..... 8.80  
6 + 1 U ..... 8.81



### PSB

PSB (Packet Switching Backplane, PICMG 2.16) and H.110 (Computer Telephony Bus, PICMG 2.5) are CompactPCI sub-specifications that define additional buses, specifically for telecommunications applications, in 6 U CompactPCI.

CompactPCI  
case systems  
4 U ..... 8.83  
7 U ..... 8.84

### Subracks

CompactPCI subracks for building an individual CompactPCI system can be found in the subracks section, page 6.16

PSB plug-in units  
4 U ..... 8.85  
10 U ..... 8.86

Subracks  
Kit, shielded,  
with/without  
rear I/O ..... 6.16

### ServicePLUS from page 8.112

- e.g. individual configuration and assembly
- e.g. modifications (integration)
- e.g. downloads (CAD drawings, user manuals, test reports)
- e.g. custom solutions

[www.schroff.biz/ServicePLUS](http://www.schroff.biz/ServicePLUS)

ServicePLUS ... 8.112



## Systems – CompactPCI Serial

### CompactPCI Serial, 4 U, with/without rear I/O



Front view (24579-416)

12315001



Front view with rear I/O (24579-421)

12315002



Rear view with rear I/O (24579-421)

12315003



Fan module

12315004

- 4 U CompactPCI Serial system with vertical 3 U board cage
- Airflow from bottom to top with fan modules that can be changed on the front
- Retrofittable air filter
- Supports PCIe up to Gen3, USB 2.0 and 3.0, S-ATA up to Rev 3.0, and Ethernet up to 10 GBase-T
- Preference types can be ordered directly from stock, other configurations on request
- AC wide range input,
  - 1 pluggable 300 W PSU (without rear I/O),
  - 2 pluggable 300 W PSUs (with rear I/O)
- 9 slot backplane, system slot left, Ethernet as star

**NEW**

**Delivery includes** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; front handles
2	9	Slot at front; IEEE guide rails incl. ESD clips (ESD clips fitted at bottom front), for vertical board mounting (3 U, 160 mm deep)
3	9	Version with rear I/O: Slot at rear; IEEE guide rails incl. ESD clips (ESD clips fitted at bottom), for vertical mounting of rear I/O boards (3 U, 80 mm deep)
4	1	CompactPCI Serial backplane for 3 U boards; 9 slot, system slot left (without rear I/O part no. 23007-629, with rear I/O part no. 23007-669)
5	1 / 2	Power backplane, 3 U, 8 HP with 1 x Pwrblade connector without rear I/O, 2 power backplanes for version with rear I/O (part no. <a href="#">23098-397</a> )
6	1 / 2	19" PSU, 300 W, 3 U, 8 HP (part no. <a href="#">11098-538</a> ); 2 PSUs installed for version with rear I/O
7	1	AC input module, 3 U, 8 HP; A/C line filter, max. current 10 A
8	1	Hot-swap fan tray, pull-out, 1 U, 3 x 12 V <sub>DC</sub> fans
9	1	Cable harness to connect all system components

### Order Information

Height	Width	Depth	Number	Version	Part no.
U	mm	HP	of slots		
4	177	84	9	Without rear I/O	<b>24579-416</b>
4	177	84	9	With rear I/O	<b>24579-421</b>

### Accessories

<b>Air filter retainer for CompactPCI Serial systems</b>	1 piece	<b>24579-632</b>
<b>Air filter mat for CompactPCI, CompactPCI Serial, and VME systems</b>	1 piece	<b>60713-471</b>

### Note

- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG CPCI-S.0
- Modified systems available on request



ServicePLUS see page 8.112



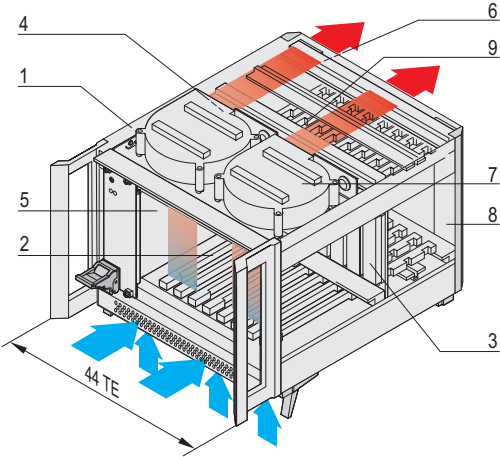


**Systems – CompactPCI Serial subrack systems**

**4 U, 9 slot, 44 HP, without rear I/O, with 19" PSU**



Frontansicht



12315005

- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep, 9 slot
- Backplane
  - 9 slot, 3 U, CompactPCI Serial
- 19" PSU, 300 W, 3 U, 8 HP
- Heat dissipation by two radial fans, from front to rear

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	ratiopacPRO-air case, RAL 9006, shielded, perforated air inlet/exhaust openings front and rear; front handles RAL 7016
2	9	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	1	Backplane for 3 U boards; 9 slot CompactPCI Serial (part no. <b>23007-629</b> )
4	1	Power backplane, 3 U, 8 HP with 1 x P47 connector (part no. <b>23098-397</b> )
5	1	19" compatible power supply, 250 W (3 U, 8 HP; part no. <b>11098-538</b> )
6	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V <sub>AC</sub> , 50 ... 60 Hz, max. current 10 A
7	2	Radial fan, 36 m <sup>3</sup> /h each, free blowing
8	1	Front panel, rear, 3 U, 36 HP
9	1	Cable harness, adaptor board ( <b>23098-399</b> ) to connect all system components

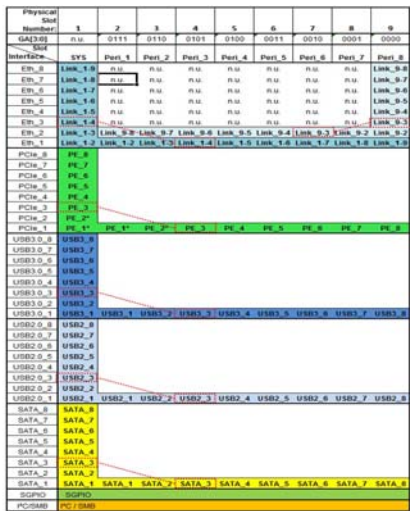
**Order Information**

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	44	275	9	24579-634

**Accessories**

Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

12312050



12415029

Backplane topology

**Note**

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG CPCI-S.0



ServicePLUS see page 8.112



Open Modular Computing Specifications

## Systems – CompactPCI PlusIO subrack systems

4 U, 8 slot, with rear I/O,  
ATX PSU

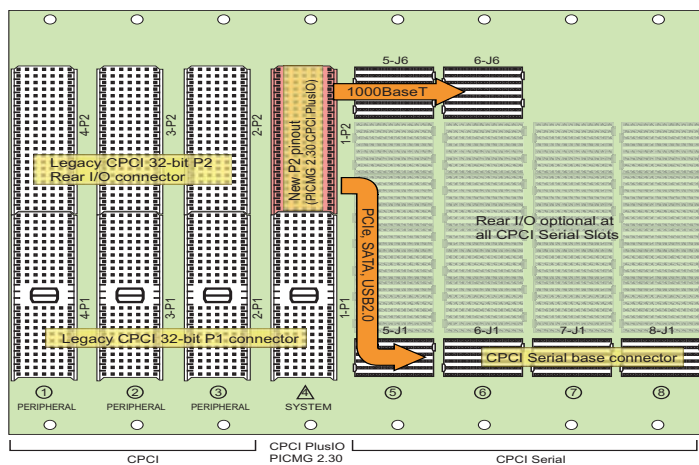
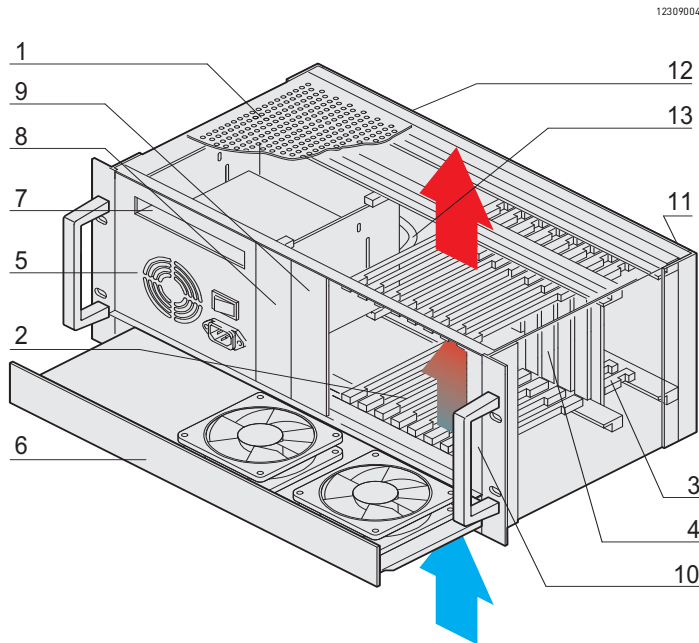


- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep, 8 slot
  - Rear, rear I/O: 3 U, 80 mm deep, 3 slot
- Backplane
  - 4 slot, 3 U, 32 bit, CompactPCI
  - 4 slot, 3 U, CompactPCI PlusIO
  - Power Backplane
- ATX PSU, 300 W
- Heat dissipation by 1 U hot-swap fan unit, from bottom to top
- Option to mount a slimline DVD drive and hard disk

**NEW**

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	3	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slots comprising 4 slots 32-bit CompactPCI plus 4 slots CompactPCI PlusIO (PICMG 2.30, part no. <b>23007-601</b> )
5	1	ATX power supply, 300 W; 32 HP wide range input 100 ... 240 V <sub>AC</sub> , (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC AC input module with socket; mains switch; fan
6	1	Hot-swap fan tray, extractable, 1 U, 2 × 12 V <sub>DC</sub> fan
7	1	Module to accommodate a slimline DVD drive unit
8	1	3 U, 8 HP module to accommodate a hard disk drive
9	1	Front panel, front, 3 U, 8 HP
10	1	Front panel, front, 3 U, 4 HP, removable, to expand system slot to 8 HP
11	1	Front panel, rear, 3 U, 24 HP
12	1	Front panel, rear, 3 U, 48 HP
13	1	Cable harness to connect all system components



Backplane topology

### Order Information

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	84	275	8	24579-405

### Accessories

Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30



ServicePLUS see page 8.112



Systems – CompactPCI PlusIO subrack systems

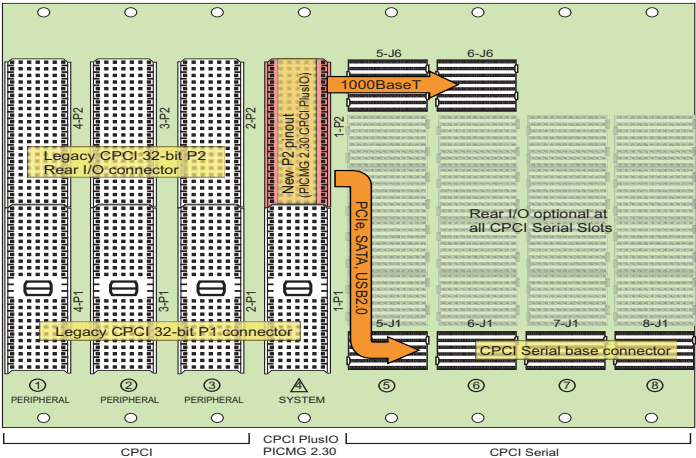
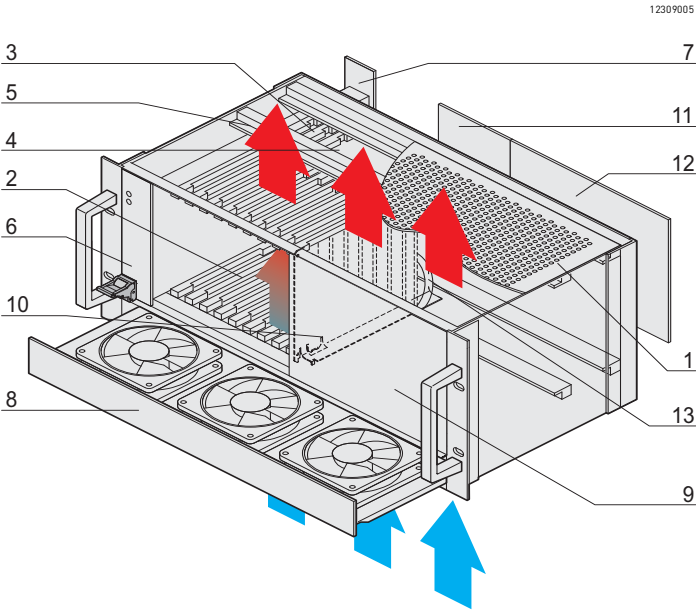
4 U, 8 slot, with rear I/O, 19"-compatible PSU



- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep, 8 slot
  - Rear, rear I/O: 3 U, 80 mm deep, 3 slot
- Backplane
  - 4 slot, 3 U, 32 bit, CompactPCI
  - 4 slot, 3 U, CompactPCI PlusIO
  - Power backplane
- 19"-compatible PSU, 250 W, 3 U, 8 HP
- Heat dissipation by 1 U hot-swap fan unit, from bottom to top
- Option to mount a hard disk

Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	3	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slots comprising 4 slots 32-bit CompactPCI plus 4 slots CompactPCI PlusIO (PICMG 2.30, part no. <b>23007-601</b> )
5	1	Power backplane, 3 U, 8 HP with 1 x P47 connector (part no. <b>23098-105</b> )
6	1	19" compatible power supply, 250 W (3 U, 8 HP, part no. <b>13100-141</b> )
7	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V <sub>AC</sub> , 50 ... 60 HZ, max. current 10 A
8	1	Hot-swap fan tray, extractable, 1 U, 3 x 12 V <sub>DC</sub> fans
9	1	Front panel front, 3 U, 44 HP
10	1	Air baffle, 3 U, 160 mm deep
11	1	Front panel, rear, 3 U, 60 HP
12	1	Front panel, rear, 3 U, 4 HP
13	1	Cable harness to connect all system components



Order Information

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	84	275	8	24579-400

Accessories	
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

Backplane topology



ServicePLUS see page 8.112



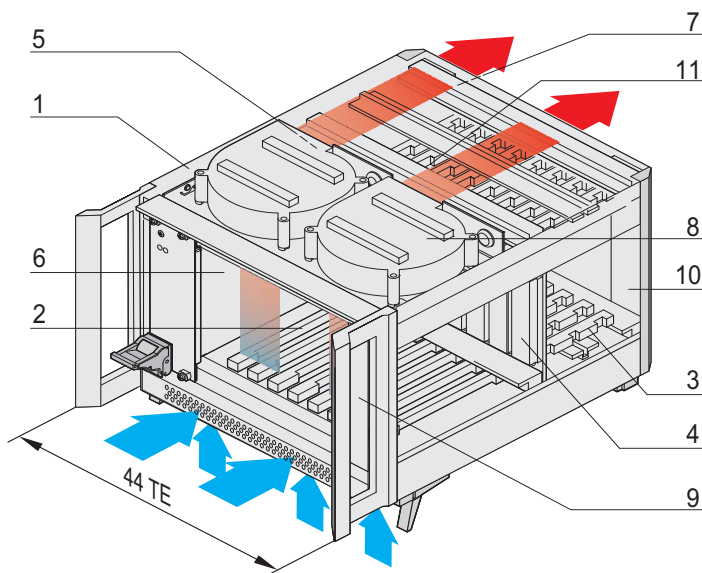


## Systems – CompactPCI PlusIO subrack systems

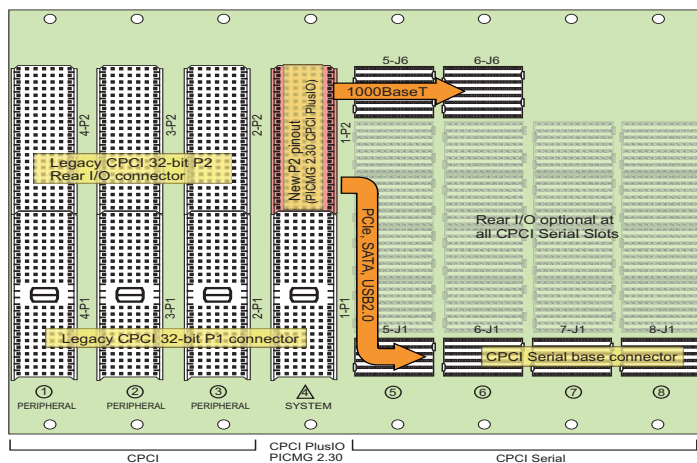
### 4 U, 8 slot, 44 HP, with rear I/O



12312001



12309052



12409051

#### Backplane topology



ServicePLUS see page 8.112



- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear I/O: 3 U, 80 mm deep, 3 slot
- Backplane
  - 4 slot, 3 U, 32 bit, CompactPCI
  - 4 slot, 3 U, CompactPCI PlusIO
  - Power Backplane
- 19" PSU, 250 W, 3 U, 8 HP
- Heat dissipation by two radial fans, from front to rear

#### Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	ratiopacPRO-air case, RAL 9006, shielded, perforated air inlet/exhaust openings front and rear; front handles RAL 7016
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted at bottom front), for vertical boards (3 U, 160 mm deep)
3	3	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted at bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slots comprising 4 slots 32-bit CompactPCI plus 4 slots CompactPCI PlusIO (PICMG 2.30, part no. <b>23007-601</b> )
5	1	Power backplane, 3 U, 8 HP with 1 x P47 connector part no. <b>23098-105</b>
6	1	19" compatible power supply, 250 W (3 U, 8 HP; part no. <b>13100-141</b> )
7	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V <sub>AC</sub> , 50 ... 60 HZ, max. current 10 A
8	2	Radial fan, 36 m <sup>3</sup> /h each, free blowing
9	1	Front panel, front, 3 U, 4 HP, removable
10	1	Front panel, rear, 3 U, 24 HP
11	1	Cable harness to connect all system components

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	44	275	8	24579-605

#### Accessories

Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

#### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30



**Systems – CompactPCI subrack systems**

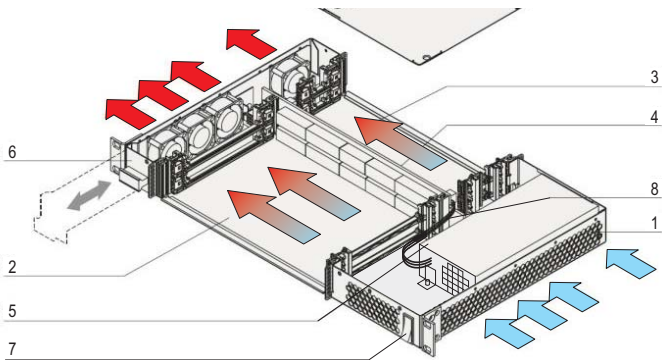
**Systems, 1, 2, 3 U, with rear I/O and ATX PSU**



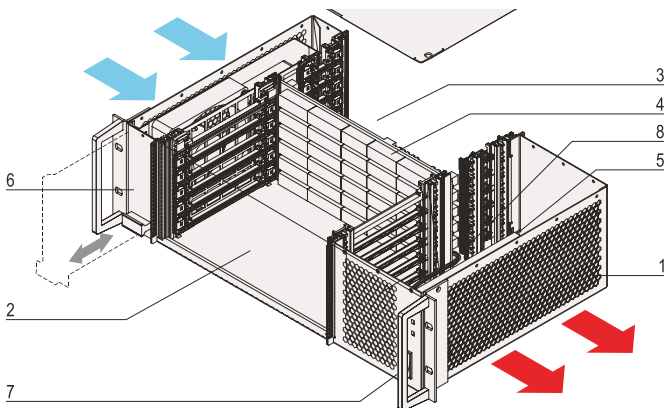
12305001



12305005



12304055



12304060

- System for horizontal board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Backplane: 2, 4, 6 slot, 64 bit; system slot on left
- ATX PSU
- Heat dissipation by extractable hot-swap fan unit;
  - in 1 U system from right to left;
  - in 2 and 3 U systems from left to right



**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, St, powder-coated, black, RAL 9005
2	1	Number of front slots see Order Information; IEEE guide rails, incl. ESD clips (ESD clips fitted to front left), for horizontal board mounting (6 U, 160 mm deep)
3	1	Number of rear slots see Order Information; IEEE guide rails, incl. ESD clips (ESD clips fitted to front left), for horizontal mounting of rear I/O boards (6 U, 80 mm deep)
4	1	Backplane for 6 U boards, for number of slots see Order Information, 64 bit; system slot on the left
5	1	ATX PSU, wide input range 100 ... 240 V <sub>AC</sub> (rating data see Order Information); IEC plug, switch (controls DC power only), LED (Power ON); Fan
6	1	Hot-swap fan unit, number of fans see Order Information
7	1	Mains switch
8	1	Cable harness to connect all system components

**Note**

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

**Order Information**

Height	Depth	Backplane	Fan unit	Power supply	Part no.
U	mm	Slots	Number of fans		
1	43.65	2 slot, 6 U	4	ATX 250 W, 3.3 V/14 A, 5 V/23 A, 12 V/16 A, -12 V/0.5 A	<b>24579-077</b>
2	88.10	4 slot, 6 U	2	ATX 250 W, 3.3 V/14 A, 5 V/20 A, 12 V/16 A, -12 V/0.8 A	<b>24579-081</b>
3	132.55	6 slot, 6 U	1 *)	ATX 300 W, 3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A	<b>24579-079</b>

**\*) Systems with additional heat dissipation in rear I/O space for 3 U systems available on request**

**Accessories**

Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108



ServicePLUS see page 8.112

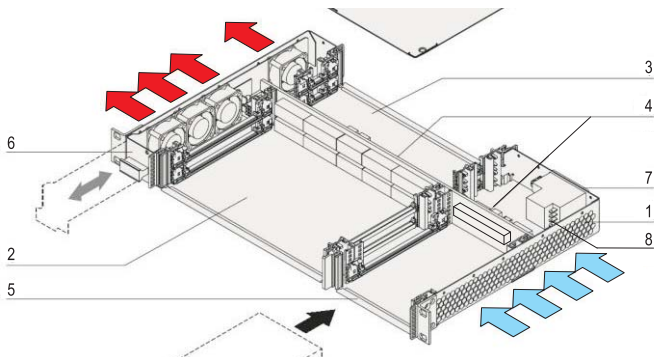


## Systems – CompactPCI subrack systems

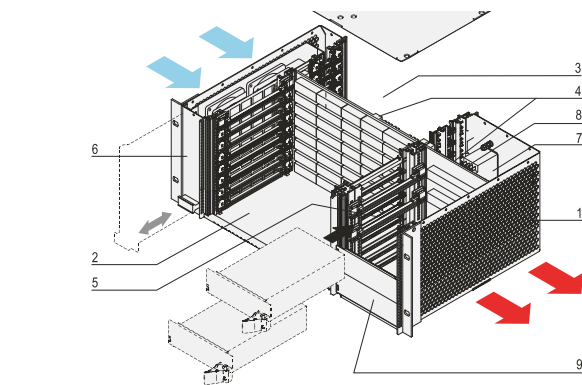
### Systems, 1, 2, 3, 4 U, with rear I/O, for 19" PSU



12305002



12305007



12304056

12305050

- System for horizontal board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Monolithic backplane for signals and power
  - 2, 4, 6, 8 slot, 6 U, 64 bit; system slot on left
  - Power plug to PICMG 2.11 (P 47)
- Prepared for installation of 19" CompactPCI PSUs (3 U, 8 HP)
- Heat dissipation by extractable hot swap fan unit; 1 U system from right to left; in 2, 3 and 4 U systems from left to right

#### Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, St, powder-coated, black, RAL 9005
2	1	Number of slots to front see Order Information; IEEE guide rails, incl. ESD clips (ESD clips fitted front right), for horizontal board mounting (6 U, 160 mm deep)
3	1	Number of rear slots see Order Information; IEEE guide rails, incl. ESD clips (ESD clips fitted front right), for horizontal mounting of rear I/O boards (6 U, 80 mm deep)
4	1	Monolithic backplane for 6 U boards and voltage supply, for number of slots see Order Information, 64 bit; system slot left, in accordance with PICMG 2.0 rev. 3.0, voltage supply: 1 x P 47 socket for 1 U, 2 x P 47 socket for 2, 3, 4 U
5	1	Installation space for 19" CompactPCI power supply unit (3 U, 8 HP; For quantity see Order Information)
6	1	Hot-swap fan unit, number of fans see Order Information
7	1	AC input (IEC plug), mains filter module, fuse, mains switch
8	1	Cable harness to connect all system components
9	1	3 U, 8 HP front panel, mounted at front, from 2 U system

#### Note

- Modified systems available on request
- 48 V<sub>DC</sub> version on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

#### Order Information

Height U	Height mm	Depth mm	Backplane Slots	Fan unit Number of fans	Power supply (please order separately)	Quantity Connector type	Part no.
1	43.65	275	2 slot, 6 U	4	1	1 x P 47	24579-078
2	88.10	275	4 slot, 6 U	2	2	2 x P 47	24579-082
3	132.50	275	6 slot, 6 U	1 *)	2 ... 3	2 x P 47	24579-080
4	177.00	275	8 slot, 6 U	4 *)	2 ... 4	2 x P 47	24579-106

19" compatible power supply, 250 W, 3 U, 8 HP Please order PSU separately, see page 9.22

13100-141

\*) Systems with additional heat dissipation in rear I/O space for 3 U and 4 U systems available on request



ServicePLUS see page 8.112

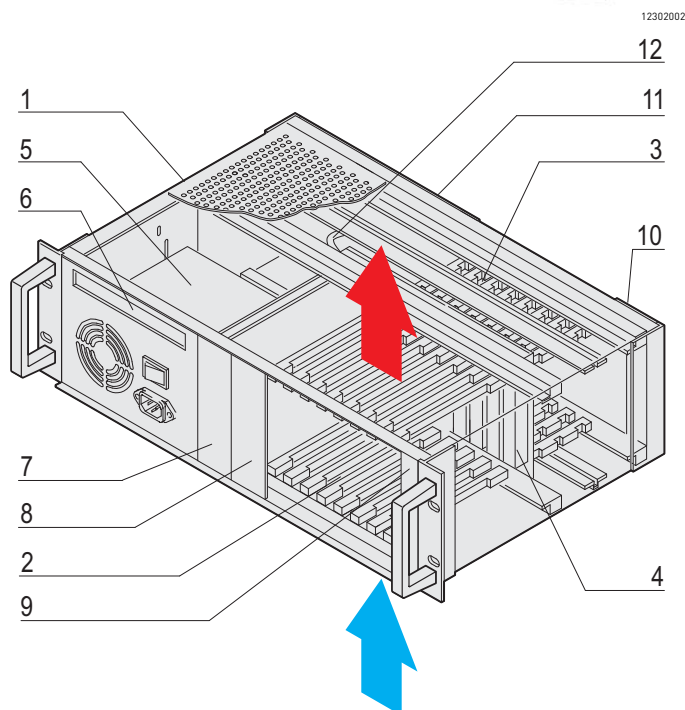


#### Accessories

Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

## Systems – CompactPCI subrack systems

## System, 3 U, 8 slot, with rear I/O



ServicePLUS see page 8.112



- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear, rear I/O: 3 U, 80 mm deep
- Backplane
  - 8 slot, 3 U, 32 bit; system slot on right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by convection, upward from below
- Option to mount a slimline DVD drive and hard disk

## Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; 2 front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted bottom), for vertical boards (3 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slot, 32 bit (part no. <b>23006-818</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	ATX power supply; 300 W; 32 HP, wide input range 100 ... 240 V <sub>AC</sub> (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC AC input module with socket; mains switch; fan
6	1	Module to accommodate a slimline DVD drive unit
7	1	3 U, 8 HP module to accommodate a hard disk drive
8	1	Front panel front, 3 U, 8 HP
9	1	Front panel, front, 3 U, 4 HP, to expand system slot to 8 HP
10	1	Front panel, rear, 3 U, 4 HP
11	1	Front panel, rear, 3 U, 48 HP
12	1	Cable harness to connect all system components

## Order Information

Height U	Height mm	Depth mm	Number of slots	Part no.
3	132.55	275	8	<b>24579-031</b>

## Accessories

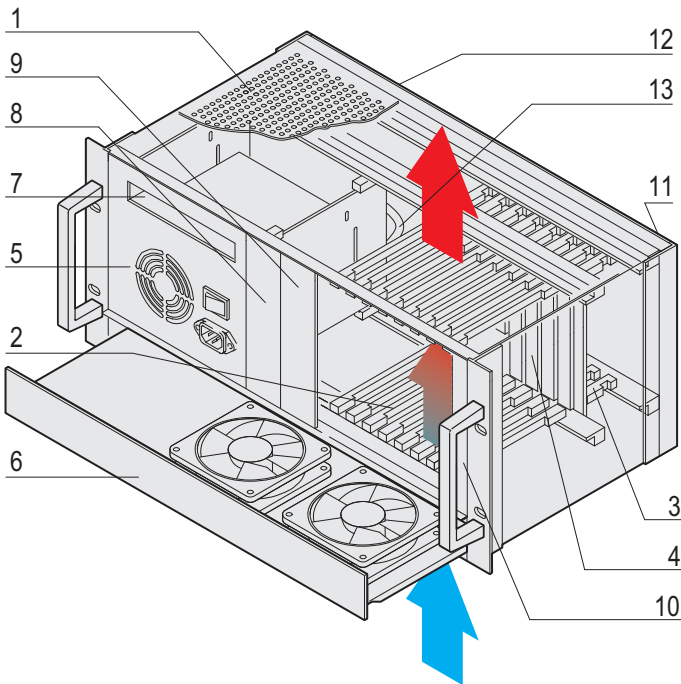
DC fan 12 V, air flow volume 140 m <sup>3</sup> /h, 119 x 119 x 32 mm, 1 piece	<b>60713-600</b>
Fan retainer for 119 x 119 x 32 mm fan, (E)PB foam, 1 piece	<b>24579-212</b>
Fan tray, 1 U for 3 or 6 U CompactPCI systems (boards assembled vertically), 1 piece	<b>24579-105</b>
Air filter consisting of filter holder and filter mat, PU 1 set	<b>24579-033</b>
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

## Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

## Systems – CompactPCI subrack systems

### System, 4 U, 8 slot, with rear I/O, ATX frame PSU



12308001

12308050



ServicePLUS see page 8.112



- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear, rear I/O: 3 U, 80 mm deep
- Backplane
  - 8 slot, 3 U, 32 bit; system slot on right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by 1 U hot-swap fan unit, upward from below
- Option to mount a slimline DVD drive and hard disk

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slot, 32 bit (part no. <b>23006-818</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	ATX power supply, 300 W; 32 HP, wide input range 100 ... 240 V <sub>AC</sub> (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC AC input module with socket; mains switch; fan
6	1	Hot-swap fan tray, extractable, 1 U, 2 × 12 V <sub>DC</sub> fans
7	1	Module to accommodate a slimline DVD drive unit
8	1	Module to accommodate a CD ROM drive, 3 U, 8 HP
9	1	Front panel, front, 3 U, 8 HP
10	1	Front panel, front, 3 U, 4 HP, removable, to expand system slot to 8 HP
11	1	Front panel, rear, 3 U, 4 HP
12	1	Front panel, rear, 3 U, 48 HP
13	1	Cable harness to connect all system components

### Order Information

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	84	275	8	24579-250

Accessories	
Air filter consisting of filter holder and filter mat, PU 1 set	<b>24579-033</b>
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

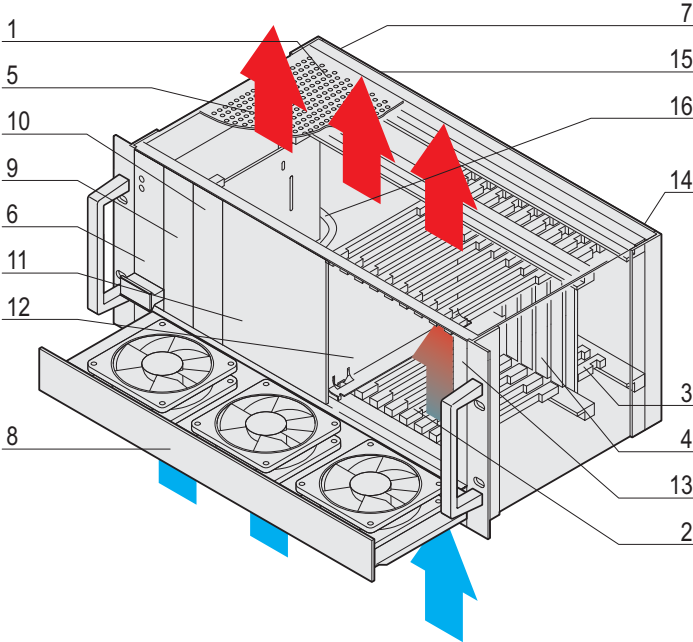


**Systems – CompactPCI subrack systems**

**System, 4 U, 8 slot, with rear I/O, 19"-compatible PSU**



12308005



12308052

- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear, rear I/O: 3 U, 80 mm deep
- Backplane
  - 8 slot, 3 U, 32 bit; system slot on right
  - 8 HP wide CPU can be used, power backplane
- 19"-compatible PSU, 250 W, 3 U, 8 HP
- Heat dissipation by 1 U hot-swap fan unit, from bottom to top
- Option to mount a hard disk

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slot, 32 bit (part no. <b>23006-818</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	Power backplane, 3 U, 8 HP with 1 x P47 plug
6	1	19" compatible power supply, 250 W (3 U, 8 HP; part no. <b>13100-141</b> )
7	2	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V <sub>AC</sub> , 50 ... 60 HZ, max. current 10 A
8	1	Hot-swap fan tray, extractable, 1 U, 3 x 12 V <sub>DC</sub> fans
9	1	Front panel front, 3 U, 8 HP
10	1	3 U, 8 HP module to accommodate a hard disk drive
11	1	Front panel front, 3 U, 24 HP
12	1	Air baffle, 3 U, 160 mm deep
13	1	Front panel, front, 3 U, 4 HP, removable, to expand system slot to 8 HP
14	1	Front panel, rear, 3 U, 4 HP
15	1	Front panel, rear, 3 U, 40 HP
16	1	Cable harness to connect all system components

**Order Information**

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	84	275	8	24579-260

Accessories	
Air filter consisting of filter holder and filter mat, PU 1 set	<b>24579-033</b>
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

**Note**

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

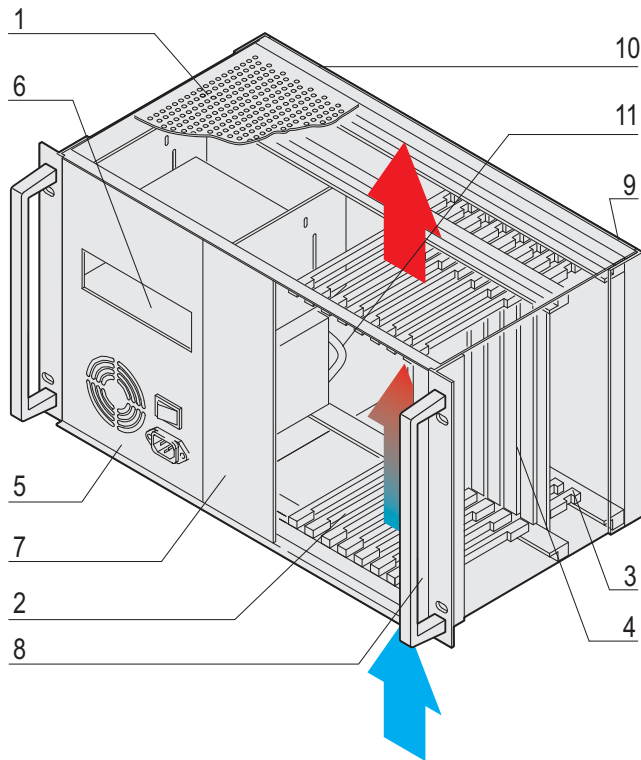


ServicePLUS see page 8.112



## Systems – CompactPCI subrack systems

### 6 U, 8 slot, with rear I/O



12302004

12303056



ServicePLUS see page 8.112



- System for vertical board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Backplane
  - 8 slot, 6 U, 64 bit; system slot to right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by convection, from bottom to top
- Option to mount a 5.25" DVD drive unit

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; 2 front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (6 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (6 U, 80 mm deep)
4	1	Backplane for 6 U boards; 8 slot, 64 bit (part no. <b>23006-868</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	ATX power supply, 300 W, 32 HP, wide input range 100 ... 240 V <sub>AC</sub> (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC AC input module with socket; mains switch; fan
6	1	Module to accommodate a 5.25" DVD drive
7	1	Front panel, front, 6 U, 16 HP
8	1	Front panel, front, 6 U, 4 HP, removable, to expand system slot to 8 HP
9	1	Front panel, rear, 6 U, 4 HP
10	1	Front panel, rear, 6 U, 48 HP
11	1	Cable harness to connect all system components

### Order Information

Height U	Height mm	Depth mm	Number of slots	Part no.
6	265.9	275	8	<b>24579-030</b>

### Accessories

DC fan 12 V, air flow volume 140 m <sup>3</sup> /h, 119 x 119 x 32 mm, 1 piece	<b>60713-600</b>
Fan retainer for 119 x 119 x 32 mm fan, (EJPB foam), 1 piece	<b>24579-212</b>
Fan tray, 1 U for 3 or 6 U CompactPCI systems (boards assembled vertically), 1 piece	<b>24579-105</b>
Air filter consisting of filter holder and filter mat, PU 1 set	<b>24579-033</b>
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

**Systems – CompactPCI subrack systems**

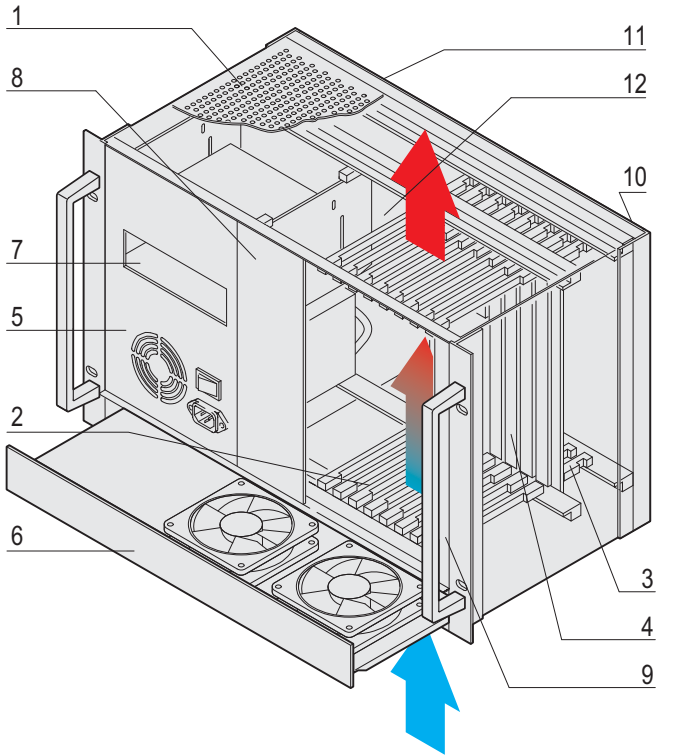
**System, 7 U, 8 slot, with rear I/O**



- System for vertical board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Backplane
  - 8 slot, 6 U, 64 bit, system slot to right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by 1 U hot-swap fan unit, from bottom to top
- Option to mount a 5.25" DVD drive unit

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated top cover and base plate; Front handles
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (6 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (6 U, 80 mm deep)
4	1	Backplane for 6 U boards; 8 slot, 64 bit (part no. <b>23006-868</b> ; system slot on right, 4 HP [8 HP wide CPU can be used])
5	1	ATX power supply, 300 W, 32 HP, wide input range 100 ... 240 V <sub>AC</sub> (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC AC input module with socket; mains switch; fan
6	1	Hot-swap fan tray, extractable, 1 U, 2 x 12 V <sub>DC</sub> fans
7	1	Module to accommodate a 5.25" DVD drive
8	1	Front panel, front, 6 U, 16 HP
9	1	Front panel, front, 6 U, 4 HP, removable, to expand system slot to 8 HP
10	1	Front panel, rear, 6 U, 4 HP
11	1	Front panel, rear, 6 U, 48 HP
12	1	Cable harness to connect all system components



**Order Information**

Height U	Height mm	Depth mm	Number of slots	Part no.
7	310.35	275	8	<b>24579-026</b>

Accessories	
Air filter consisting of filter holder and filter mat, PU 1 set	<b>24579-033</b>
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

**Note**

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; backplane in accordance with PICMG 2.0 rev. 3.0 and 2.30

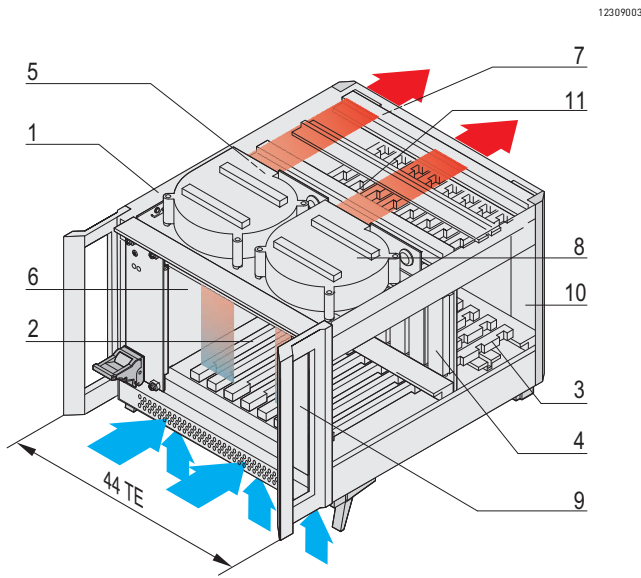


ServicePLUS see page 8.112



## Systems – CompactPCI case systems

### System, 4 U, 8 slot, 44 HP, with rear I/O



- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear, rear I/O: 3 U, 80 mm deep
- Backplane
  - 8 slot, 3 U, 32 bit, system slot on right
  - 8 HP wide CPU can be used
- 19" PSU, 250 W, 3 U, 8 HP
- Heat dissipation by two radial fans, from front to rear

#### Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	ratiopacPRO-air case, RAL 9006, shielded, perforated air inlet/exhaust openings front and rear; front handles RAL 7016
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slot, 32 bit (part no. <b>23006-818</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	Power backplane, 3 U, 8 HP with 1 x P47 plug
6	1	19" compatible power supply, 250 W (3 U, 8 HP; Part no. <b>13100-141</b> )
7	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V <sub>AC</sub> , 50 ... 60 HZ, max. current 10 A
8	2	Radial fan, 36 m <sup>3</sup> /h each, free blowing
9	1	Front panel, front, 3 U, 4 HP, removable, to expand system slot to 8 HP
10	1	Front panel, rear, 3 U, 4 HP
11	1	Cable harness to connect all system components

#### Order Information

Height U	Height mm	Width HP	Depth mm	Number of slots	Part no.
4	177	44	275	8	24579-604

#### Accessories

Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

#### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11); Backplane, conforms to PICMG 2.0 rev. 3.0



ServicePLUS see page 8.112



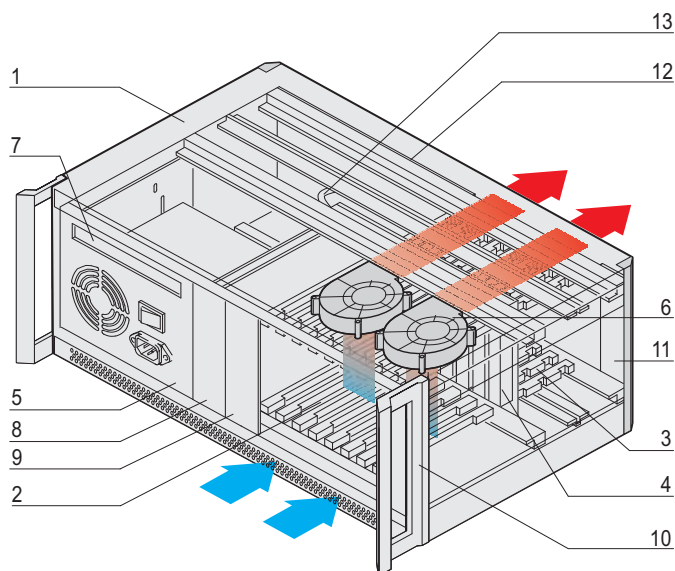


## Systems – CompactPCI case systems

## System, 4 U, 8 slot, with rear I/O



12304002



12304050



ServicePLUS see page 8.112



- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear, rear I/O: 3 U, 80 mm deep
- Backplane
  - 8 slot, 3 U, 32 bit, system slot to right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by two radial fans, front to rear
- Option to mount a slimline DVD drive and hard disk

## Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	ratiopacPRO-air case, RAL 9006, shielded, perforated air inlet/exhaust openings front and rear; front handles RAL 7016
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (3 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (3 U, 80 mm deep)
4	1	Backplane for 3 U boards; 8 slot, 32 bit (part no. <b>23006-818</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	ATX power supply, 300 W, wide range input 100 ... 240 V <sub>AC</sub> , (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC AC input module with socket; mains switch; fan; 32 HP
6	2	Radial fan, 36 m <sup>3</sup> /h each, free blowing
7	1	Module to accommodate a slimline DVD drive unit
8	1	3 U, 8 HP module to accommodate a hard disk drive
9	1	Front panel, front, 3 U, 8 HP
10	1	Front panel, front, 3 U, 4 HP, removable, to expand system slot to 8 HP
11	1	Front panel, rear, 3 U, 4 HP
12	1	Front panel, rear, 3 U, 48 HP
13	1	Cable harness to connect all system components

## Order Information

Height U	Height mm	Depth mm	Number of slots	Part no.
4	177	275	8	<b>24579-602</b>

## Accessories

<b>Spare fan unit</b>	Air barrier with 2 fitted radial fans, 1 piece	24579-225
<b>Equipment cables</b>		Page 3.38
<b>Front panels</b>		Page 7.5
<b>Modules to mount drive units</b>		Page 8.110
<b>Front panels with handle</b>		Page 7.32
<b>Fan control modules (FCM)</b>		Page 8.108

## Note

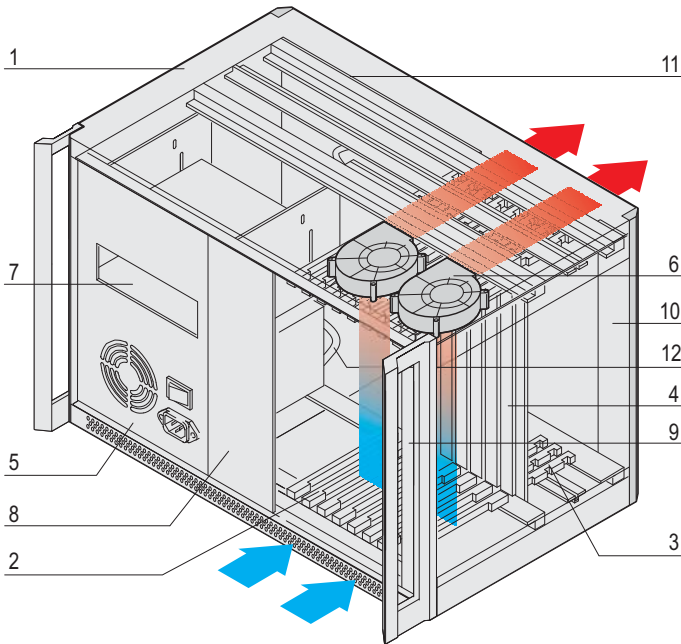
- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11); Backplane, conforms to PICMG 2.0 rev. 3.0

## Systems – CompactPCI case systems

### Systems, 7 U, 8 slot, with rear I/O



12304003



12304051

- System for vertical board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Backplane
  - 8 slot, 6 U, 64 bit, system slot to right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by two radial fans, from front to rear
- Option to mount a 5.25" DVD drive unit

#### Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	ratiopacPRO-air case, RAL 9006, shielded, perforated air inlet/exhaust openings front and rear; front handles RAL 7016
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (6 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom), for vertical rear I/O boards (6 U, 80 mm deep)
4	1	Backplane for 6 U boards; 8 slot, 64 bit (part no. <b>23006-868</b> ); system slot on right, 4 HP (8 HP wide CPU can be used)
5	1	ATX power supply, 300 W, wide input range 100 ... 240 V <sub>AC</sub> (3.3 V/28 A, 5 V/35 A, 12 V/22 A, -12 V/0.8 A); IEC-plug; mains switch; fan; 32 HP
6	2	Radial fan, 36 m <sup>3</sup> /h each, free blowing
7	1	Module to accommodate a 5.25" DVD drive
8	1	Front panel, front, 6 U, 16 HP, for fitting a hard disk drive
9	1	Front panel, front, 6 U, 4 HP, removable, to expand width of system slot to 8 HP
10	1	Front panel, rear, 6 U, 4 HP
11	1	Front panel, rear, 6 U, 48 HP
12	1	Cable harness to connect all system components

#### Order Information

Height U	Height mm	Depth mm	Number of slots	Part no.
7	310.35	275	8	<b>24579-612</b>

#### Accessories

Spare fan unit Air barrier with 2 fitted radial fans, 1 piece	24579-225
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

#### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11); Backplane, conforms to PICMG 2.0 rev. 3.0

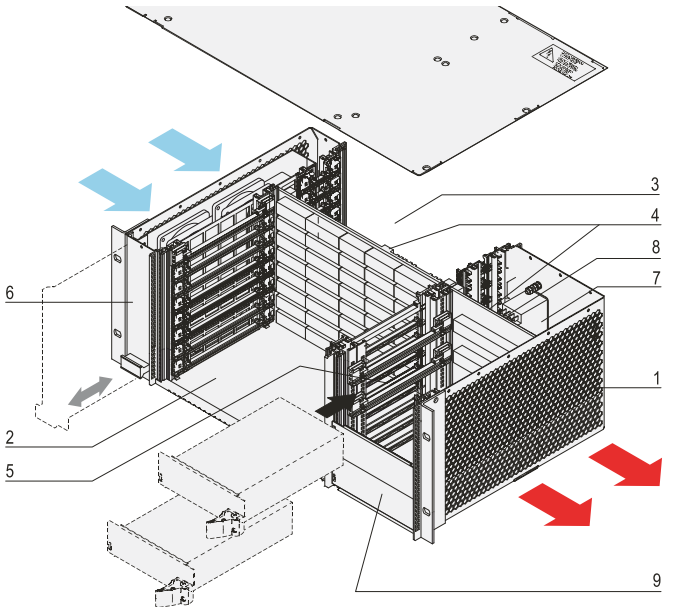


ServicePLUS see page 8.112



**Systems – CompactPCI subrack systems, telecoms**

**System, 4 U, 8 slot, with rear I/O, for telecoms applications**



- System for horizontal board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Monolithic backplane for (signals and power) 64-bit CompactPCI; PSB (Package Switched Backplane), PICMG 2.16; H.110
  - 8 slot, 6 U, 64 bit CompactPCI (2 fabric/switch slots, 6 node slots H.110), system slot to left
  - Integrated power backplane with 2 x P 47 connectors
- Prepared to accept two 19" CompactPCI PSUs 250 W (3 U, 8 HP)
- Heat dissipation by extractable hot-swap fan unit, from left to right

**Delivery comprises** (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, St, powder-coated, black, RAL 9005
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to front right), for horizontal board mounting (6 U, 160 mm deep)
3	8	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to front right), for horizontal mounting of rear I/O boards (6 U, 80 mm deep)
4	1	Backplane for 6 U boards and voltage supply (2 x P 47 sockets); 64-bit CompactPCI; PSB, 2 fabric/switch slots; 6 node H.110 bus slots; part no. <b>23006-611</b>
5	-	Prepared to accommodate two 19" CompactPCI PSUs (250 W, 3 U, 8 HP), part no. <b>13100-141</b>
6	1	Hot-swap fan unit, 4 fans, each 109 m <sup>3</sup> /h (64 cfm)
7	1	AC input (IEC plug), mains filter module, fuse, mains switch
8	1	Cable harness to connect all system components
9	2	Front panel front, 3 U, 8 HP

**Order Information**

Height U	Height mm	Depth mm	Number of slots	Part no.
4	177	275	8	<b>24579-135</b>

Accessories	
19" compatible power supply, 250 W, 3 U, 8 HP Please order PSU separately, see page 9.22	<b>13100-141</b>
Fan tray for black systems, to ventilate rear I/O space 7 fans	24579-112
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

**Note**

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11); Backplane, conforms to PICMG 2.16



ServicePLUS see page 8.112



## Systems – CompactPCI subrack systems, telecoms

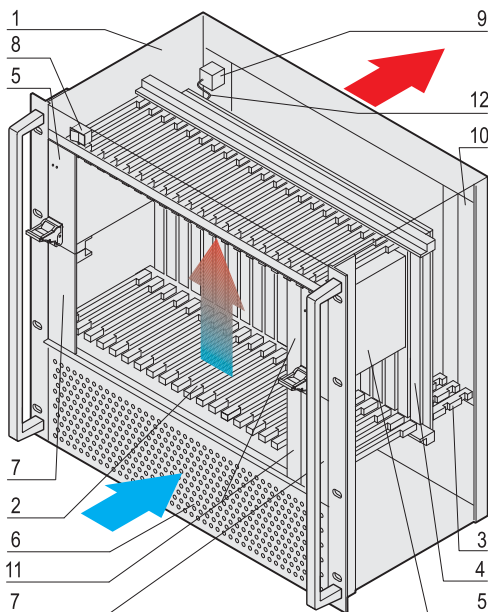
### System, 10 U, 16 slot, with rear I/O, for telecoms applications



- System for vertical board mounting with board format
  - Front: 6 U, 160 mm deep
  - Rear, rear I/O: 6 U, 80 mm deep
- Backplane, PSB (package switched backplane), PICMG 2.16
  - 16-slot, 6 U, 64 bit (2 fabric/switch slots, 14 node slots)
- Two 19" CompactPCI power supplies, 250 W (3 U, 8 HP), prepared for installation of two further 19" compatible PSUs
- Heat dissipation by fan module, from front to rear
- Prepared for system monitoring with a chassis monitoring module (CMM)

#### Delivery comprises (completely assembled, wired and tested)

Item	Qty	Description
1	1	Shielded 19" chassis, Al; perforated front panel to front and rear, 19" bracket in RAL 9006; remaining parts passivated in aluminium; front handles (RAL 9005)
2	16	Front slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to bottom front), for vertical boards (6 U, 160 mm deep)
3	16	Rear slot; IEEE guide rails, incl. ESD clips (ESD clips fitted to front bottom), for vertical mounting of rear I/O boards (6 U, 80 mm deep)
4	1	PSB backplane for 6 U boards, 64 bit, 2 fabric/switch slots, 14 node slots, 2 CompactPCI segments, system slot left and right; part no. <b>23006-610</b>
5	2	19" compatible power supply, 250 W (3 U, 8 HP); part no. <b>13100-141</b>
6	1	Extractable fan unit with filter mat, 3 fans, 24 V <sub>DC</sub> , 270 m <sup>3</sup> /h (160 cfm)
7	2	Front panel, front, 3 U, 8 HP, space for two further power supplies
8	1	DC switch on front
9	1	AC input (IEC connector), mains filter module, fuse, 6 U, 8 HP
10	1	Front panel, rear, 6 U, 8 HP
11	2	Front panel, front, 3 U, 4 HP, cover for optional CMM module space
12	1	Cable harness to connect all system components



12302005

12303058



ServicePLUS see page 8.112



#### Order Information

Height U	Height mm	Depth mm	Number of slots	Part no.
10	443.7	275	16	<b>24579-028</b>

#### Accessories

19" compatible power supply, 250 W, 3 U, 8 HP Please order PSU separately, see page 9.22	<b>13100-141</b>
Chassis monitoring module (CMM) 3 U, 4 HP, 160 mm deep, 1 piece Please order PSU separately, see page 8.109	23207-022
Equipment cables	Page 3.38
Front panels	Page 7.5
Modules to mount drive units	Page 8.110
Front panels with handle	Page 7.32
Fan control modules (FCM)	Page 8.108

#### Note

- Modified systems available on request
- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11; Backplane, conforms to PICMG 2.16



## Systems – ServicePLUS



### configuration

#### Simple. Fast. To the ideal product.

Components can be varied and combined freely

- Our configurators help you select what you need
- Online configuration: [www.schroff.co.uk/configuration](http://www.schroff.co.uk/configuration)



### assembly

#### Assembled by professionals. Double benefit!

Fitting of all mechanical, electrical and electronic components by our specialists

- From a quantity of 1, completely assembled and tested
- Ready for despatch within 10 working days



### modification

#### Small changes. Large impact.

Custom drillings, cut-outs and special colours for off-the-shelf products

- Mechanical modifications, modifications of backplanes and PSUs, cabling
- Ready for despatch within 15 working days



### solution

#### Simple. Fast. Out of one source.

Integration and custom developments

- Air conditioning, complete assembly, function test
- Customised complete solutions



### express

#### When fast has to be faster.

Delivery time to customer's request

- System Express
- Further information: [www.schroff.co.uk/express](http://www.schroff.co.uk/express)



### support

#### Support. Solution. Availability.

Assistance if required

- Telephone support



### academy

#### Knowledge. Sharing. Partnerships.

Knowledge transfer and partnership

- Seminars, white papers, CAD drawings, test reports, user reports
- Further information: [www.schroff.co.uk/academy](http://www.schroff.co.uk/academy)



### lifecycle

#### We are with you. For the entire product life.

Flexible support throughout the product lifecycle

- Exchange service, maintenance, repairs, replacement parts

**Systems – ServicePLUS**

**Application examples**



■ Hybrid system, modification of a MicroTCA single-module board cage into a 3 U chassis to DIN EN 60297 12908007



■ MicroTCA system, 1 U for 6 single mid-size AMC modules; power supply, increased air inlet and exhaust area with inwardly curved side panels 12908005



■ MicroTCA chassis with hot-swap fan unit and power supply 12909001



■ CompactPCI chassis with hot-swap fan unit and custom finishing 12309002



■ CompactPCI chassis with 48 V<sub>DC</sub> power supply 12309001



■ 2 slot, 2 U AdvancedTCA chassis with custom colour 12709003

## Appendix – Order notes

### Packaging units

A packaging unit (PU) - e.g. carton, bag - contains the stated quantity. If you order the quantity 1, you will automatically receive the quantity defined as PU.

Example: EMC textile gasket  
See page 5.22  
Part number 21101-853

Quantity (per part number): 10 pieces

Order quantity: . . . . . Delivery quantity:

1 . . . . .	10 pieces
2 . . . . .	20 pieces
3 . . . . .	30 pieces

### Price list

Our price list is available by e-mail from your customer consultant. Please find all contact details at [www.schroff.biz/contact](http://www.schroff.biz/contact).

### Always up-to-date

Please visit our website [www.schroff.biz](http://www.schroff.biz) where we continuously inform about news and technical changes.

### Quick links

**Catalogue request:** [www.schroff.biz/catalogues](http://www.schroff.biz/catalogues)

**Product configurators:** [www.schroff.biz/conf](http://www.schroff.biz/conf)

**Contact details:** [www.schroff.biz/contact](http://www.schroff.biz/contact)

**Product search:** [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)

**Front Panel Express:** [www.frontpanelexpress.eu](http://www.frontpanelexpress.eu)

**VARISTAR:** [www.varistar.co.uk](http://www.varistar.co.uk)

**Railway technology:** [www.schroff.co.uk/railway](http://www.schroff.co.uk/railway)

**IT Infrastructure:** [www.schroff.co.uk/datacom](http://www.schroff.co.uk/datacom)

### Standard pack quantity (SPQ)

Please take into consideration that deliveries may be carried out in the stated SPQs (SPQ, e.g. 5 pieces, 10 pieces, 50 pieces, etc.). Differing order quantities (e.g. 2 pieces) may be changed to the next possible delivery quantity = Standard Pack Quantity (in this case 10 pieces).

Example: Front horizontal rail  
See page 5.31  
Part number 34560-228

Quantity (per part number): 1 piece  
Standard pack quantity (SPQ): 10 pieces

Order quantity: . . . . . Delivery quantity:

≤ 10 . . . . .	10 pieces
> 10 ≤ 20 . . . . .	20 pieces
> 20 ≤ 30 . . . . .	30 pieces

### Delivery times

Part numbers in bold face type are ready for despatch within 2 working days; part numbers in normal type are ready for despatch within 10 working days.

### Business relations

Schroff is exclusively operating in Business to Business (B2B). Private individuals can buy Schroff products via our sales representatives (see [www.schroff.biz/contact](http://www.schroff.biz/contact)).

### Responsible for contents and print

Schroff GmbH, Marketing Communication,  
D-75334 Straubenhardt, Germany

The data in this catalogue have been thoroughly edited and checked - in assistance with an accredited Quality Management System in accordance with EN ISO 9001:2008.

Faults and spelling mistakes, but mainly changes due to improvements and further developments of our products are subject to change. There is no possibility to claim indemnity/compensation.

<b>Cabinets</b>	Overview.....	1.0	LHX 20/40 Air/water heat exchangers.....	1.224	<b>1</b>
	Varistar Cabinet platform.....	1.2	LHX 3 Air/water heat exchangers.....	1.236	
	Varistar Electronics.....	1.10	Novastar.....	1.240	
	Varistar EMC.....	1.54	Eurorack.....	1.270	
	Varistar Seismic.....	1.84	Outdoor.....	1.316	
	Varistar MIL.....	1.120	Etsirack.....	1.346	
	Varistar Data/network systems.....	1.124	19" lab racks.....	1.354	
	Varistar Containment.....	1.202	PROLINE.....	1.362	
<b>Wall mounted case</b>	Overview.....	2.0			<b>2</b>
	Epcase.....	2.36			
	LAN wall-mounted distributors.....	2.46			
<b>Cabinet and wall-mounted case accessories</b>	Overview.....	3.0	Monitors, keyboards, monitoring.....	3.44	<b>3</b>
	Mechanics.....	3.2	Socket strips.....	3.50	
	Telescopic slides.....	3.24	Power control socket strips.....	3.72	
	Electrical.....	3.29			
<b>Climate control</b>	Overview.....	4.0	Accessories.....	4.58	<b>4</b>
	Cooling concepts/service.....	4.2			
	19" fan trays.....	4.4			
	Air filtered fans.....	4.20			
<b>Desktop enclosures</b>	Overview.....	5.0	Comptec.....	5.100	<b>5</b>
	RatiopacPRO.....	5.6	Accessories.....	5.108	
	PropacPRO.....	5.44	Interscale.....	5.200	
	CompacPRO.....	5.76	Minipac.....	5.230	
<b>Subracks/ 19" chassis</b>	Overview.....	6.0	EuropacPRO industrial applications.....	6.86	<b>6</b>
	EuropacPRO.....	6.2	EuropacPRO Rugged.....	6.92	
	EuropacPRO for railroad applications.....	6.70	MultipacPRO.....	6.112	
			Inpac.....	6.128	
<b>Front panels, Plug-in-units, Frame type plug-in-units</b>	Overview.....	7.0	PCB accessories.....	7.102	<b>7</b>
	Front panels.....	7.2			
	Plug-in units.....	7.16			
	Frame type plug-in units.....	7.64			
<b>Systems</b>	Overview.....	8.0	AdvancedMC modules.....	8.56	<b>8</b>
	AdvancedTCA.....	8.2	CompactPCI, Serial, PlusIO, PSB.....	8.68	
	AdvancedMC carriers.....	8.26	VME, VME64x, VXS, VPX.....	8.88	
	MicroTCA.....	8.36	Accessories.....	8.106	
<b>Power supply systems</b>	Overview.....	9.0	19" accessories.....	9.18	<b>9</b>
	19" AC/DC switched-mode PSUs.....	9.2	PSUs for MicroTCA.....	9.20	
	19" AC/DC linear regulators.....	9.12	PSUs for VMEbus.....	9.22	
	19" AC/DC convertors.....	9.15	PSUs for CompactPCI, VME64x.....	9.24	
<b>Backplanes</b>	Overview.....	10.0	VME64x, VMEbus.....	10.15	<b>10</b>
	CompactPCI, Serial, PlusIO.....	10.4	Power.....	10.18	
	PXI.....	10.11	Universal.....	10.19	
	VXS.....	10.14	Test adaptors.....	10.20	
<b>Connectors, Front panel component systems</b>	Overview.....	11.0			<b>11</b>
	Connectors.....	11.2			
	Front panel component system.....	11.12			
<b>Appendix</b>	Standards abbreviations.....	12.0			<b>12</b>
	Notes on ordering.....	12.10			
	Order number index.....	12.11			
	Product index.....	12.62			