CompactPCI

nVent
SCHROFF

Systems – CompactPCI subrack systems

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

Systems – CompactPCI subrack systems

OVERVIEW

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-S.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.

12310002

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.

12309004

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.

12302002

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.

12306003

SUBRACKS

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

SERVICEPLUS

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

Systems – CompactPCI Serial

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

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. 23098-397)
6	1 / 2	19" PSU, 300 W, 3 U, 8 HP (part no. 11098-538); 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 × 12 V_{DC} fans
9	1	Cable harness to connect all system components

ORDER INFORMATION

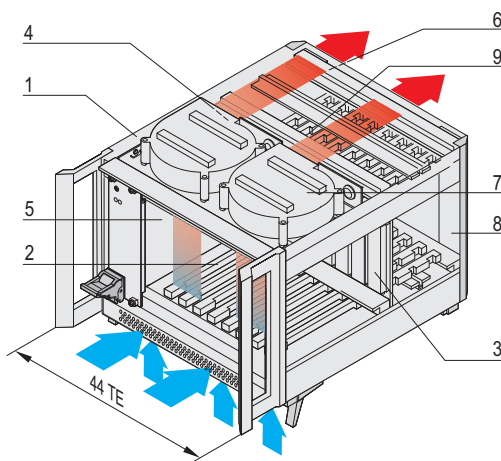| Height U	mm	Width HP	Depth mm	Number of slots	Version	Part no.
4	177	84	275	9	Without rear I/O	**24579-416**
4	177	84	275	9	With rear I/O	**24579-421**
Accessories						
Air filter retainer for CompactPCI Serial systems 1 piece						24579-632
Air filter mat for CompactPCI, CompactPCI Serial, and VME systems 1 piece						**60713-471**

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

Open Modular Computing Specifications

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4 U, 9 SLOT, 44 HP, WITHOUT REAR I/O, WITH 19" PSU

Frontansicht

12315005

12312050

Backplane topology

12415029

PICMG
Open Modular
Computing Specifications

- 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. 23007-629)
4	1	Power backplane, 3 U, 8 HP with 1 x P47 connector (part no. 23098-397)
5	1	19" compatible power supply, 250 W (3 U, 8 HP; part no. 11098-538)
6	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V_{AC}, 50 ... 60 Hz, max. current 10 A
7	2	Radial fan, 36 m^3/h each, free blowing
8	1	Front panel, rear, 3 U, 36 HP
9	1	Cable harness, adaptor board (23098-399) 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**

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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

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Systems – CompactPCI PlusIO subrack sys-

4 U, 8 SLOT, WITH REAR I/O, ATX PSU
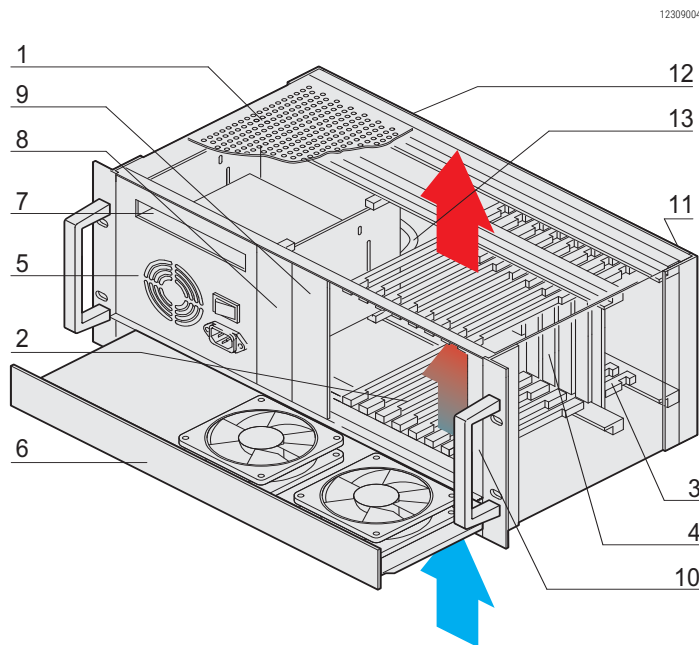
12309004

12308050

Backplane topology

12409051

- 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

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. 23007-601)
5	1	ATX power supply, 300 W; 32 HP wide range input 100 ... 240 V$_{AC}$, (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$_{DC}$ fan
7	1	Module to accomodate 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

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

Systems – CompactPCI PlusIO subrack sys-

4 U, 8 SLOT, WITH REAR I/O, 19"-COMPATIBLE PSU

12309005

12309053

Backplane topology

12409051

**Open Modular
Computing Specifications**

- 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. 23007-601)
5	1	Power backplane, 3 U, 8 HP with 1 x P47 connector (part no. 23098-105)
6	1	19" compatible power supply, 250 W (3 U, 8 HP, part no. 13100-141)
7	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V_{AC}, 50 ... 60 HZ, max. current 10 A
8	1	Hot-swap fan tray, extractable, 1 U, 3 x 12 V_{DC} 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
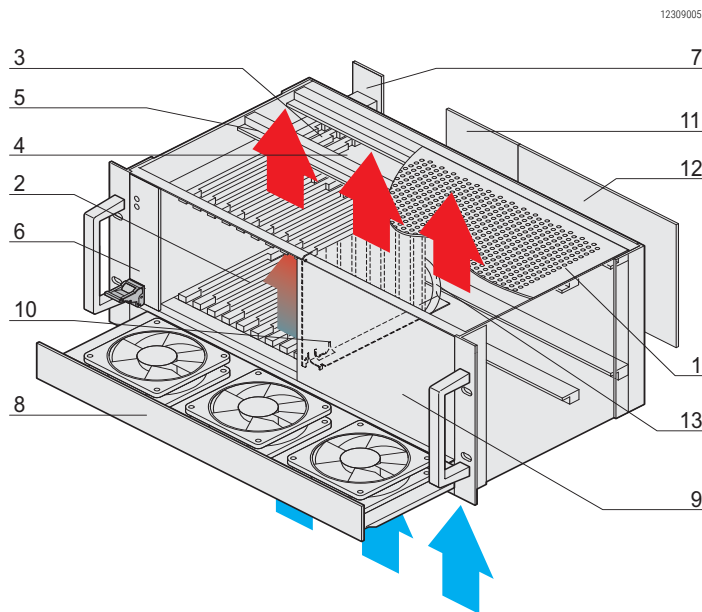
ORDER INFORMATION

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

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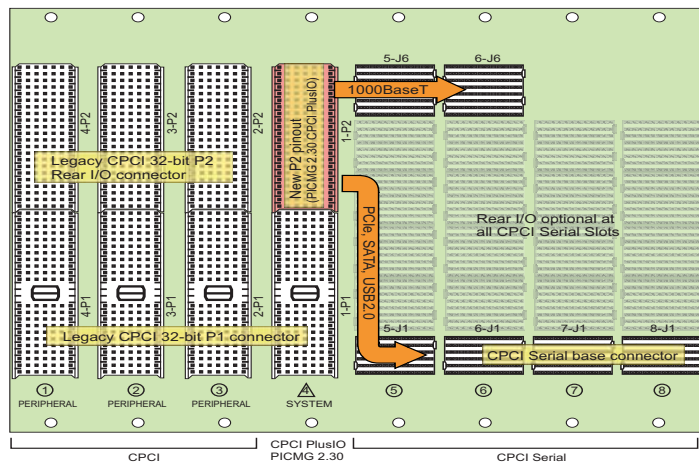
Equipment cables	**Page 3.38**
Front panels	**Page 7.5**
Modules to mount drive units	**Page 8.110**
Front panels with handle	**Page 7.32**
Fan control modules (FCM)	**Page 8.108**

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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

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Systems – CompactPCI PlusIO subrack sys-

4 U, 8 SLOT, 44 HP, WITH REAR I/O

12312001

44 TE

12309052

Backplane topology

12409051

Open Modular Computing Specifications

- 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. 23007-601)
5	1	Power backplane, 3 U, 8 HP with 1 x P47 connector part no. 23098-105)
6	1	19" compatible power supply, 250 W (3 U, 8 HP; part no. 13100-141)
7	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V_{AC}, 50 ... 60 HZ, max. current 10 A
8	2	Radial fan, 36 m^3/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
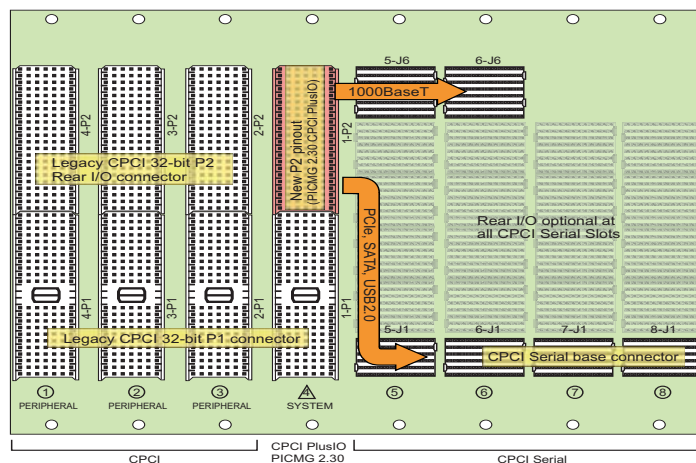
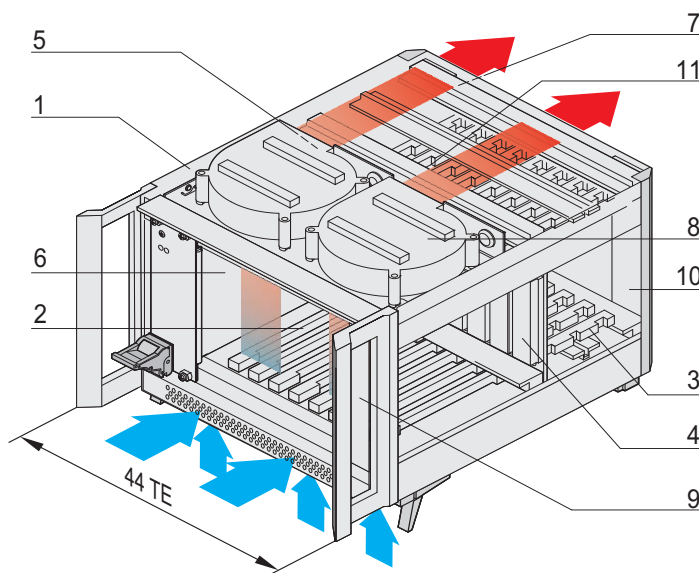# Systems – CompactPCI subrack systems

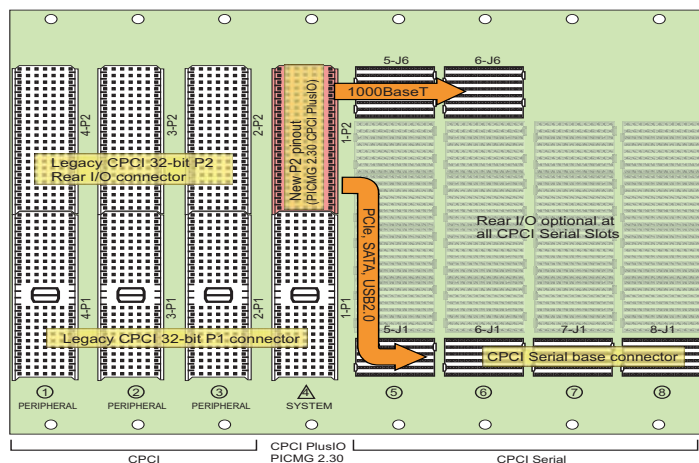## SYSTEMS, 1, 2, 3 U, WITH REAR I/O AND ATX PSU

12305001

12305005
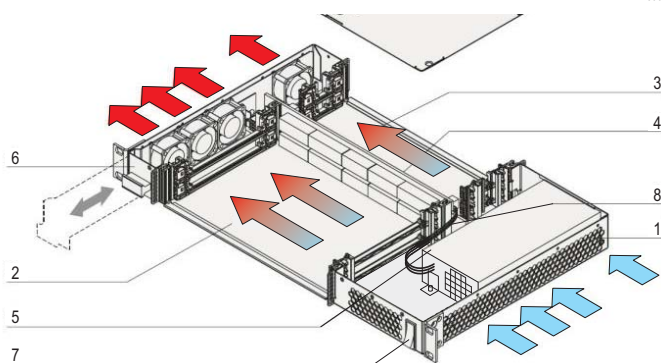
12304055

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_{AC} (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 U	mm	Depth mm	Backplane Slots	Fan unit Number of fans	Power supply	Part no.
1	43.65	275	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	**24579-077**
2	88.10	275	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	**24579-081**

*) 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**

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

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SYSTEMS, 1, 2, 3, 4 U, WITH REAR I/O, FOR 19" PSU
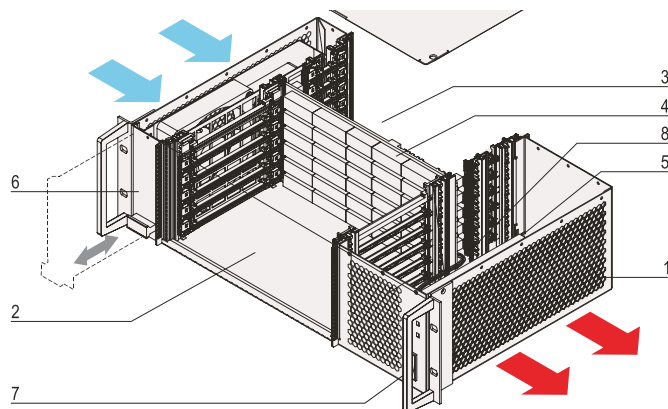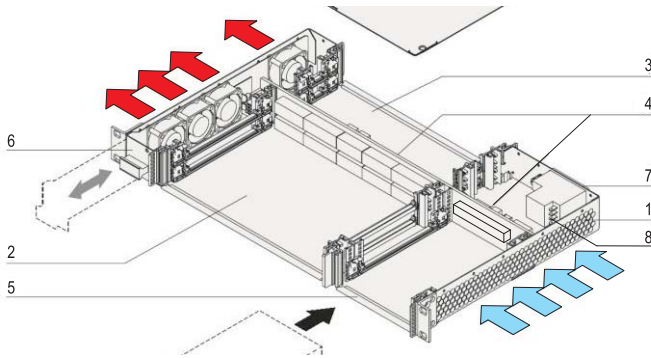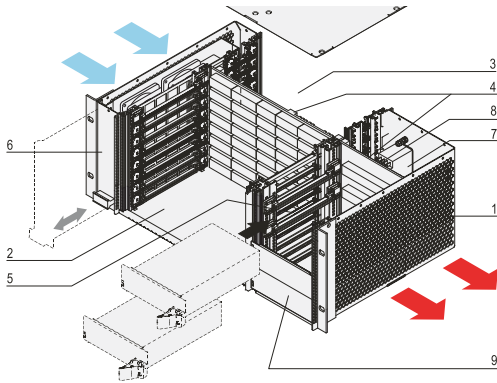

12305002

12305007

12304056

- 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_{DC} 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 9.24					**13100-141**

*) Systems with additional heat dissipation in rear I/O space for 3 U and 4 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**

PICMG
Open Modular
Computing Specifications

12302002

12303053
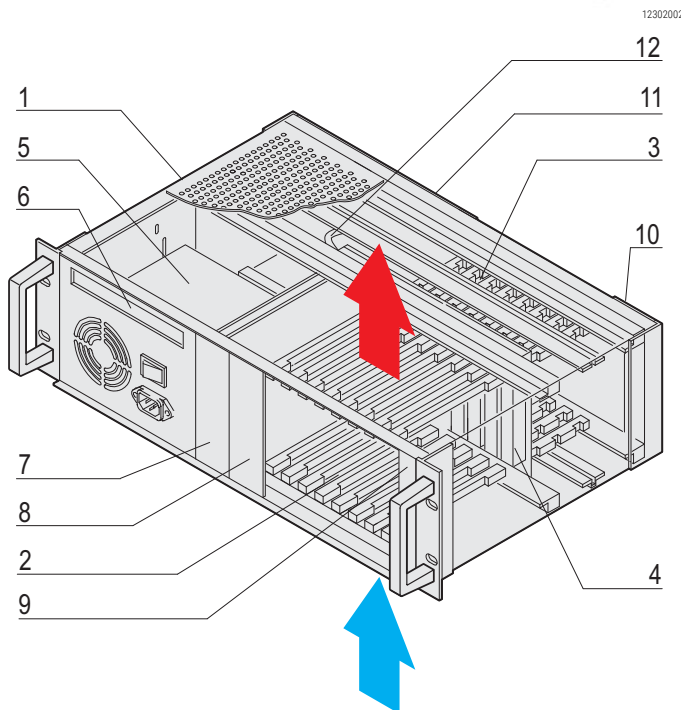
- System for vertical board mounting with board format
  - Front: 3 U, 160 mm deep
  - Rear, rear I/O: 3 U, 80 mm deep
- Backplane
  - 8 slot, 3 U, 32 bit; system slot on right
  - 8 HP wide CPU can be used
- ATX PSU, 300 W
- Heat dissipation by convection, upward from below
- Option to mount a slimline 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 front), 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. 23006-818); 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_{AC} (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 accomodate 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	**24579-031**
Accessories				
DC fan 12 V, air flow volume 140 m^3/h, 119 x 119 x 32 mm, 1 piece				**60713-600**
Fan retainer for 119 x 119 x 32 mm fan, (E)PB foam, 1 piece				**24579-212**
Fan tray, 1 U for 3 or 6 U CompactPCI systems (boards assembled vertically), 1 piece				**24579-105**
Air filter consisting of filter holder and filter mat, PU 1 set				**24579-033**
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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

nVent.com/SCHROFF | 8.77

SYSTEM, 4 U, 8 SLOT, WITH REAR I/O, ATX FRAME PSU
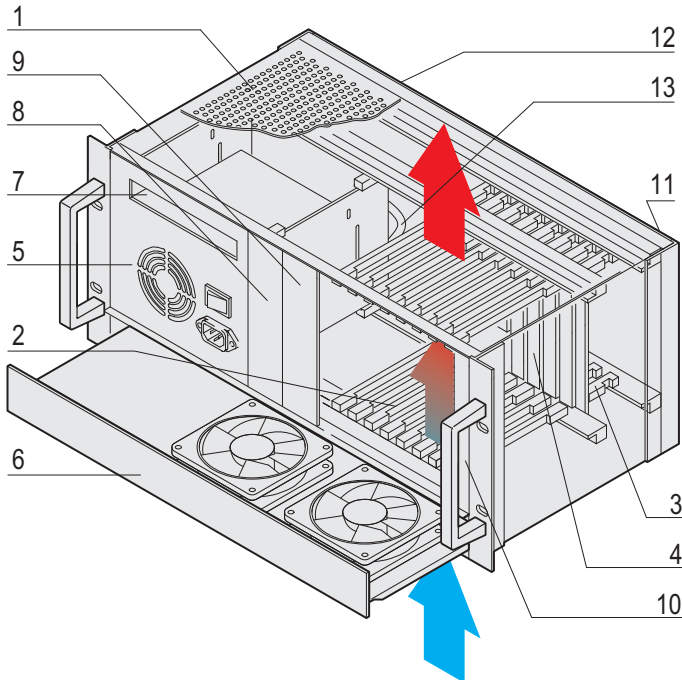
12308001

12308050

- 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. 23006-818); 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_{AC} (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_{DC} fans
7	1	Module to accomodate a slimline DVD drive unit
8	1	Module to accomodate 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					**24579-033**
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

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. 23006-818); 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. 13100-141)
7	2	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V_{AC}, 50 ... 60 HZ, max. current 10 A
8	1	Hot-swap fan tray, extractable, 1 U, 3 x 12 V_{DC} 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

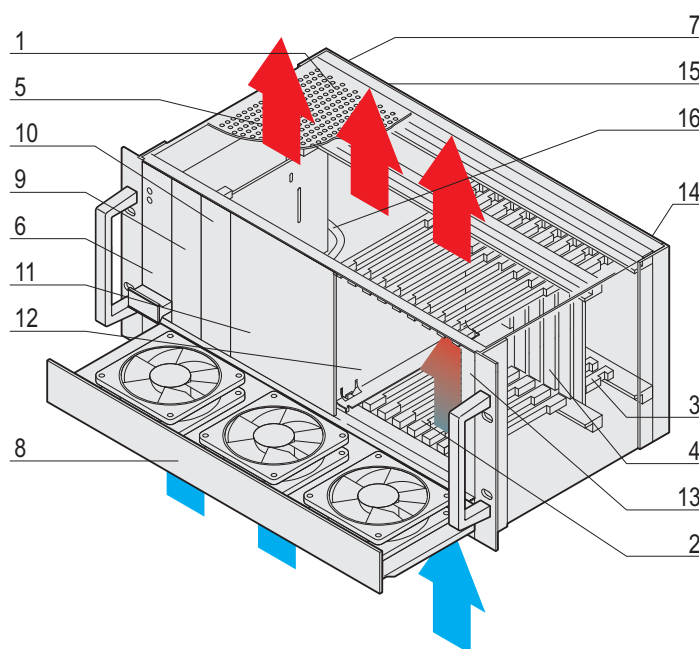| Accessories	
Air filter consisting of filter holder and filter mat, PU 1 set	**24579-033**
Equipment cables	**Page 3.38**
Front panels	**Page 7.5**
Modules to mount drive units	**Page 8.110**
Front panels with handle	**Page 7.32**
Fan control modules (FCM)	**Page 8.108**

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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

nVent.com/SCHROFF | 8.79

12302004

12303056

- 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. 23006-868); 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_{AC} (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 accomodate 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

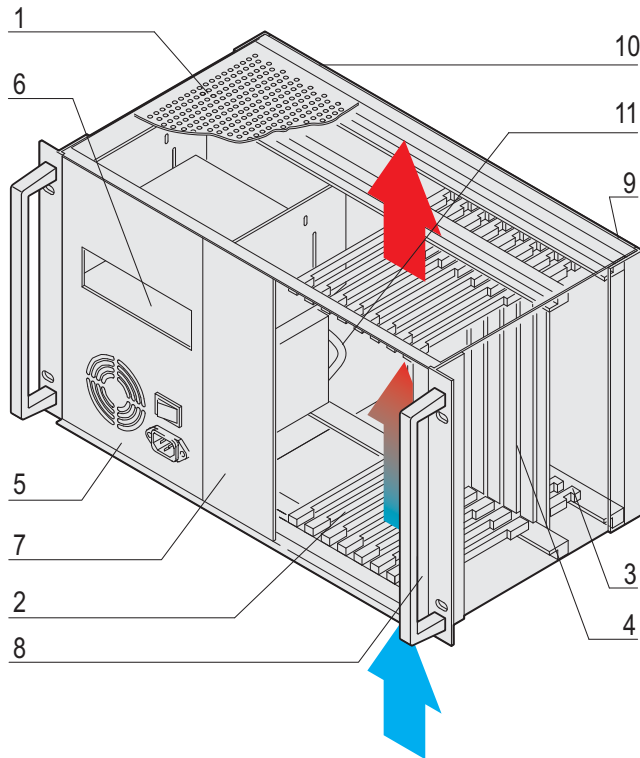| Height U	Height mm	Depth mm	Number of slots	Part no.
6	265.9	275	8	**24579-030**
Accessories				
DC fan 12 V, air flow volume 140 m³/h, 119 x 119 x 32 mm, 1 piece				**60713-600**
Fan retainer for 119 x 119 x 32 mm fan, (E)PB foam, 1 piece				**24579-212**
Fan tray, 1 U for 3 or 6 U CompactPCI systems (boards assembled vertically), 1 piece				**24579-105**
Air filter consisting of filter holder and filter mat, PU 1 set				**24579-033**
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

PICMG

Open Modular Computing Specifications

Systems – CompactPCI subrack systems

SYSTEM, 7 U, 8 SLOT, WITH REAR I/O

12302013

12303057

PICMG®
Open Modular
Computing Specifications

- 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. 23006-868; 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_{AC} (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_{DC} fans
7	1	Module to accomodate 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

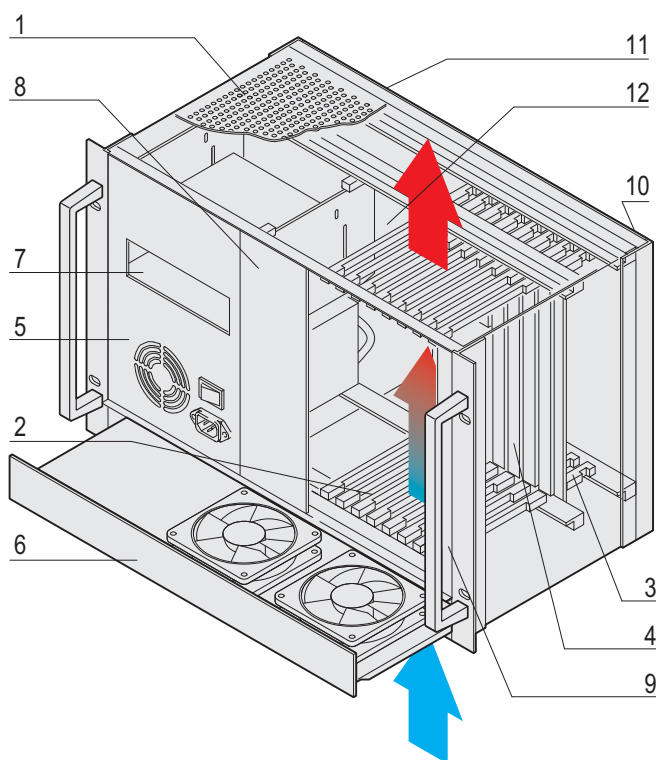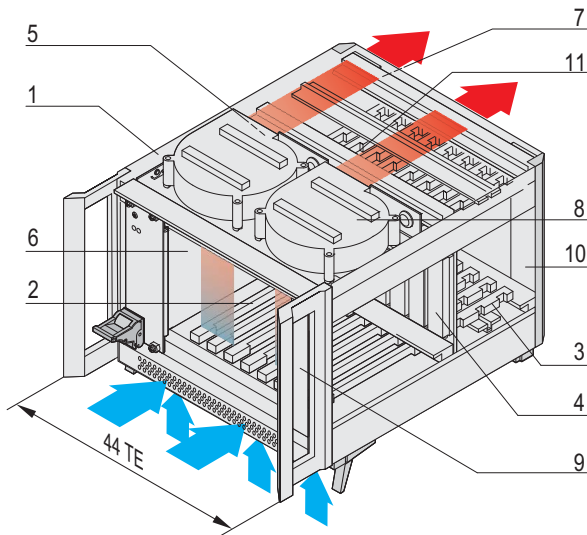| Height U	Height mm	Depth mm	Number of slots	Part no.
7	310.35	275	8	**24579-026**
Accessories				
Air filter consisting of filter holder and filter mat, PU 1 set				**24579-033**
Equipment cables				**Page 3.38**
Front panels				**Page 7.5**
Modules to mount drive units				**Page 8.110**
Front panels 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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

nVent.com/SCHROFF | 8.81

SYSTEM, 4 U, 8 SLOT, 44 HP, WITH REAR I/O

12309003

12309052

- 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. 23006-818); 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. 13100-141)
7	1	AC input module, 3 U, 8 HP; AC line filter, 110 ... 250 V_{AC}, 50 ... 60 HZ, max. current 10 A
8	2	Radial fan, 36 m^3/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

SYSTEM, 4 U, 8 SLOT, WITH REAR I/O
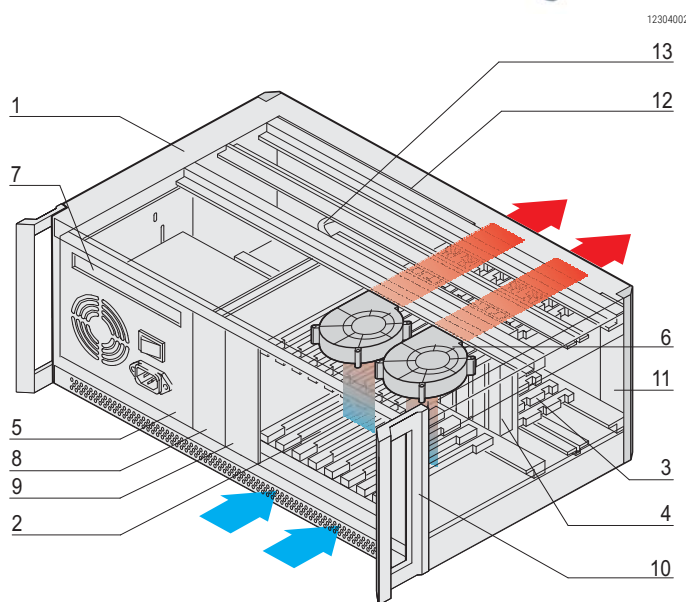
12304002

12304050

- 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. 23006-818); 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_{AC}, (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^3/h each, free blowing
7	1	Module to accomodate 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	**24579-602**
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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

nVent.com/SCHROFF | 8.83

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. 23006-868); 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_{AC} (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^3/h each, free blowing
7	1	Module to accomodate 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	**24579-612**

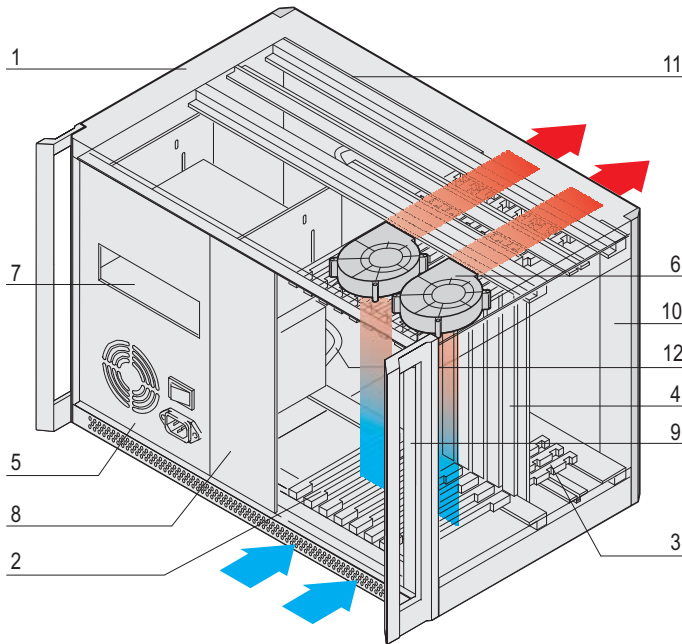| **Accessories**	
Spare fan unit Air barrier with 2 fitted radial fans, 1 piece	24579-225
Equipment cables	**Page 3.38**
Front panels	**Page 7.5**
Modules to mount drive units	**Page 8.110**
Front panels with handle	**Page 7.32**
Fan control modules (FCM)	**Page 8.108**

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

PICMG®
Open Modular
Computing Specifications

SYSTEM, 4 U, 8 SLOT, WITH REAR I/O, FOR TELECOMS APPLICATIONS

12306003

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)
  64-bit CompactPCI; PSB (**P**ackage **S**witched **B**ackplane), 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. 23006-611
5	–	Prepared to accommodate two 19" CompactPCI PSUs (250 W, 3 U, 8 HP), part no. 13100-141
6	1	Hot-swap fan unit, 4 fans, each 109 m^3/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

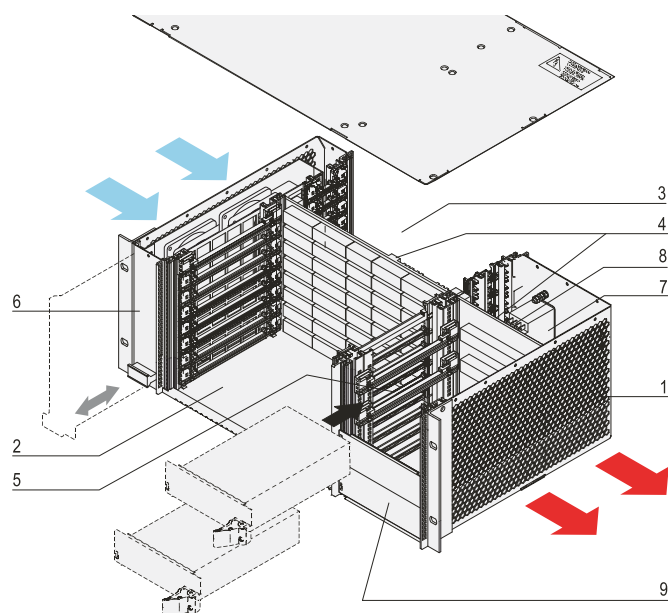| Height U	Height mm	Depth mm	Number of slots	Part no.
4	177	275	8	**24579-135**
Accessories				
19" compatible power supply, 250 W, 3 U, 8 HP Please order PSU separately, see page 9.24				**13100-141**
Fan tray for black systems, to ventilate rear I/O space 7 fans				24579-112
Equipment cables				**Page 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

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

nVent.com/SCHROFF | 8.85

Systems – CompactPCI subrack systems,

SYSTEM, 10 U, 16 SLOT, WITH REAR I/O, FOR TELECOMS APPLICATIONS

12302005

12303058

- 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 (**p**ackage **s**witched **b**ackplane), 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. 23006-610
5	2	19" compatible power supply, 250 W (3 U, 8 HP); part no. 13100-141
6	1	Extractable fan unit with filter mat, 3 fans, 24 V_{DC}, 270 m^3/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
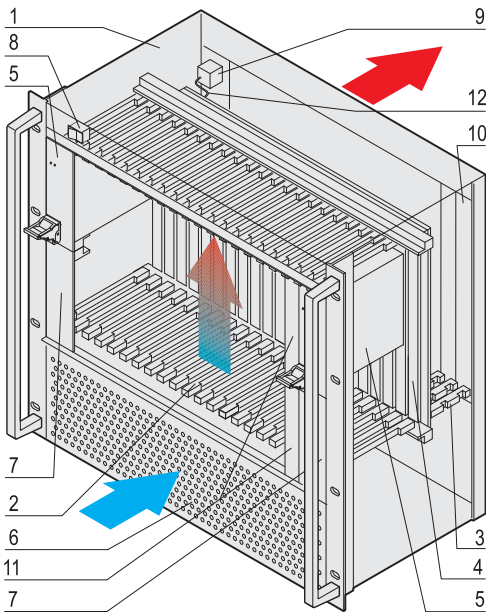
ORDER INFORMATION

Height U	Height mm	Depth mm	Number of slots	Part no.
10	443.7	275	16	**24579-028**
Accessories				
19" compatible power supply, 250 W, 3 U, 8 HP Please order PSU separately, see page 9.24				**13100-141**
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
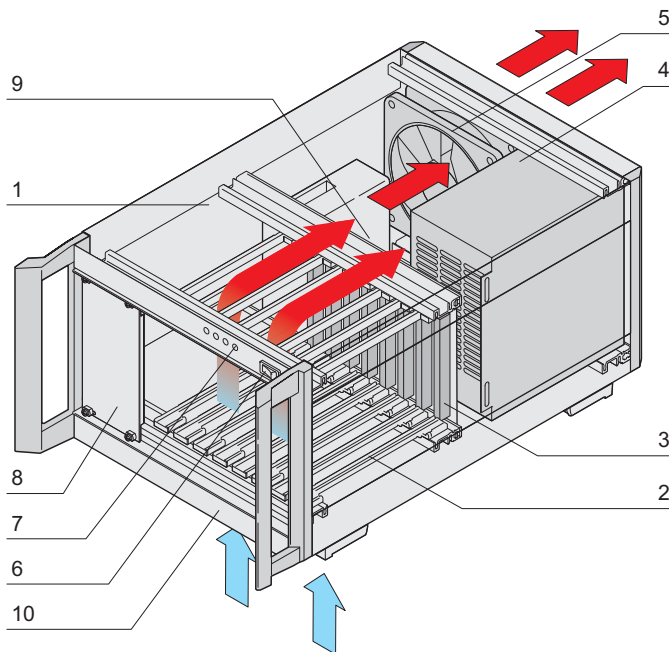
PICMG

Open Modular
Computing Specifications

Systems – PXI case system

PXI SYSTEM, 4 U, 8 SLOT, 44 HP

12307002

12307050

- PXI desktop chassis, 4 U, 44 HP
- PXI backplane, 8 slot, 3 HE, 64 bit, system slot left
- Heat dissipation to rear from below
- ATX power supply 400 W, wide-range AC input with power switch on the back of the device
- Backplane with clock switching internal / external

DELIVERY INCLUDES (completely assembled, wired and tested)

Item	Qty	Description
1	1	ratiopacPRO-air case, RAL 9006, with 19" mounting brackets and handles RAL 7016, 4 U, 44 HP; shielded; perforated base plate; tip-up feet
2	8	Front slots, with 2 IEEE guide rails each, incl. ESD clips (ESD clips assembled at bottom front), for vertical boards (3 U, 160 mm deep)
3	1	Backplane for 3 U boards; 8 slot, 64 bit (part no. 23006-578); System slot on the left
4	1	Power supply, ATX (PS2), 400 W, wide range input 100 ... 240 V_{AC}; Output 3.3 V/28 A, 5 V/40 A, 12 V/12 A, -12 V/ 1 A; IEC AC input module with socket; AC mains switch; Fan
5	1	Fan, 170 m^3/h (100 cfm) assembled on rear panel
6	1	Mains switch, DC, front
7	1	Voltage display
8	1	Front panel, 10 U
9	1	Cable harness to connect all system components
10	1	Filter mat and holder

ORDER INFORMATION

Height U	Width HP	Depth mm	Number of slots	Qty/PU piece	Part no.
4	44	355	8	1	**14579-008**

NOTE

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

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

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Systems – PXI-Express case system

PXI-EXPRESS SYSTEM, 4 U, 8 SLOT, 44 HP

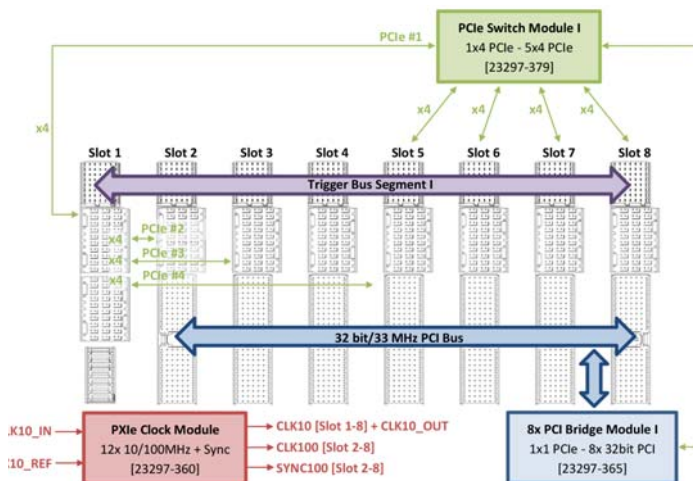

12306001

Rear view

12318002

Backplane topology

12318050

- PXI Express desktop chassis, 4 U, 44 HP
- 1 PXIe System slot an 7 Hybrid slots
- Ultra-high performance Gen 3 PCIe switching with a default four-link (4x4) system slot
- Powerful cooling concept with low fan noise, 50 W per slot @ 15K temperature increase
- Heat dissipation to rear from below with temperature controlled fans
- Wide range AC input with mains switch on the rear side, power push bottom on the front
- Rear panel external 10 MHz clock inputs/outputs

DELIVERY INCLUDES (completely assembled, wired and tested)

Item	Qty	Description
1	1	RatiopacPRO chassis with handles; 4 U, 44 HP, 315 mm deep; shielded; tip-up feet
2	8	Front slot; IEEE guide rails, incl. ESD clips (ESD clips assembled at bottom front), for vertical boards (3 U, 160 mm deep)
3	1	PXIe Backplane for 3 U boards; 8 slot; system slot on the left
4	1	PCIe 24 Lane Switch Module, PCIe Gen 3, mounted on backplane backside
5	1	PCIe-PCI Bridge Module, PCIe x1 to 32-bit 33 MHz, mounted on backplane backside
6	1	PXI Express Clock Module, PXI-1 & PXI-5 CLKs, mounted on backplane backside
7	1	Power supply 400 W; wide range input 100 ... 240 V_{AC}; output: 3.3 V/ 25 A, 5 V/25 A, 12 V/15 A, --12 V/2 A; 5 V aux/1 A
8	2	80 mm fans with 258 m³/h (152.3 cfm) each
9	1	Fan Control module, FCM2
10	1	Mains inlet connector with switch, filter and fuse
11	1	Power push button
12	1	External 10 MHz REF clock output via BNC connector
13	1	Optional 10 MHz REF clock source via BNC connector
14	1	Cable harness to connect all system components

ORDER INFORMATION

Height U	Width HP	Depth mm	Number of slots	Qty/PU piece	Part no.
4	44	315	8	1	**14579-030**

TECHNICAL DATA

Ambient temperature [°C]	0 °C ... 50 °C
Input voltage range [V_{AC}]	100 ... 240 V_{AC} at 50/60 Hz
Sound pressure level [dB(A)]	21 dBA (auto fan at 25 °C), 48 dBA (max fan speed)

NOTE

- System in accordance with IEC 60297-3-101, -102, -103; IEEE 1101.1, 1101.10/11); backplane conforms to PICMG rev. 3.0 and PXI-5
- Modified systems available on request

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within

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Systems – ServicePLUS

12908007

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

12908005

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

12909001

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

12309002

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

12309001

- CompactPCI chassis with 48 V_{DC} power supply

12709003

- 2 slot, 2 U AdvancedTCA chassis with custom colour

Systems – ServicePLUS

Part number in bold face type: ready for despatch within 2 working days
Part number in normal type: ready for despatch within 10 working days

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