

cPCI 4U/ 42HP 7 Slots

Made
in
Germany



Backplane

7 slot, 3U 3.3V or 5V I/O, 32 bit/33 MHz with rear I/O, System slot right with P47 connector

Fan

Fixed, No. 2 (12V),
Airflow:
Bottom to top

Power Supply

Type:300W cPCI,
Input:90 – 264VC /
47-63Hz, Connector:
Included with
switch, fuse and
filter

Size

Height:4U
Width:42HP
Depth:278mm

CompactPCI 4U 42HP 7 Slots

The Kontron Hartmann Wiener CompactPCI 4U system platform provides an intelligent, practical packaging solution for high-performance processors. This versatile desktop model provides a 7 slot 3.3 or 5V I/O 3U cPCI backplane for vertical mounting of boards.

System is designed with enhanced EMC features. Bottom mount fan tray. Rugged yet stylish chassis conforms to mechanical standards IEEE 1101.1 and 1101.10/11 and IEC 60297-3-101, -102, -103.

› **Compliance**

- › PICMG CompactPCI standard for industrial computing
- › Conforms to IEEE 1101.1 and IEEE 1101.10/11
- › Meets IEC 60297-3-101, -102, and -103 mechanical standards
- › Metric connectors designed to IEC 1076 specification

› **Power & Efficiency**

- › Supports 32-bit and 64-bit PCI signaling and protocols
- › Compatible with passive backplanes and active bridges for multi-segment configurations

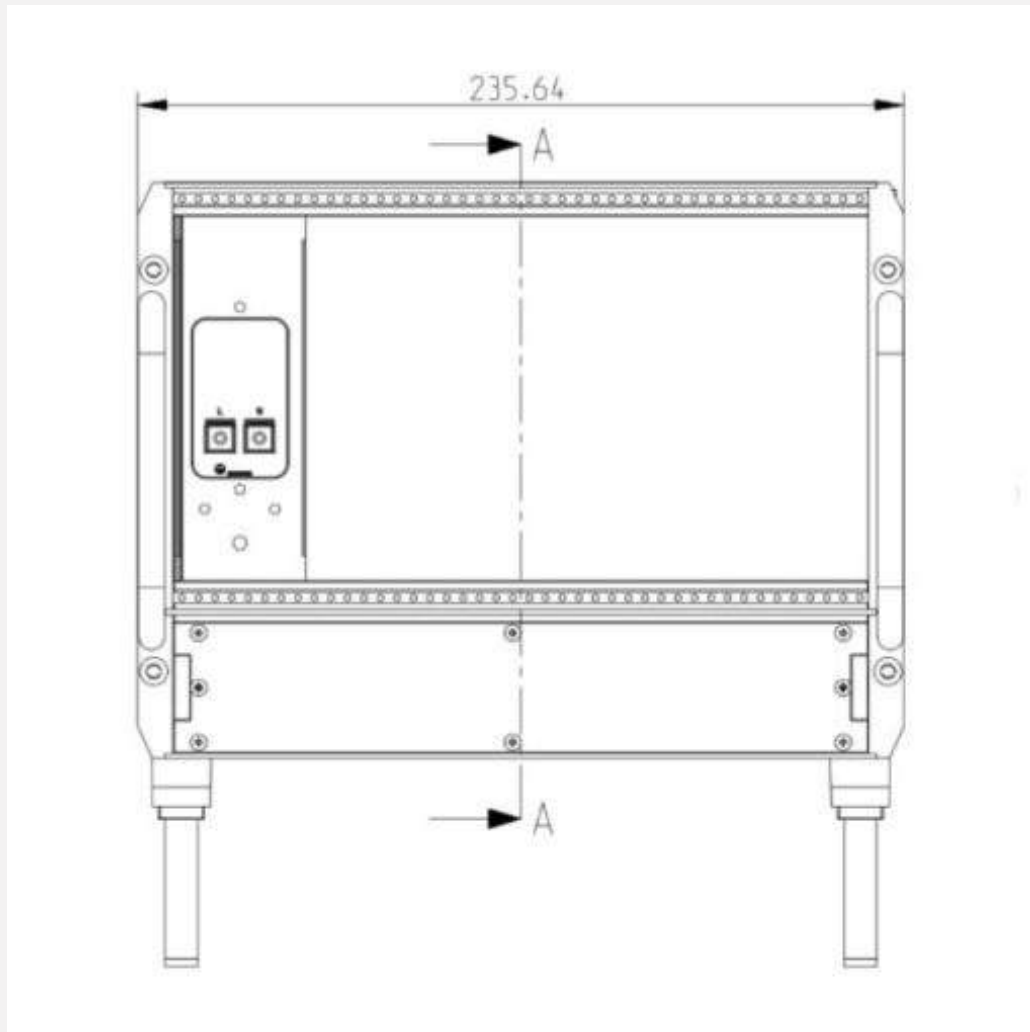
› **Protection Features**

- › Enhanced EMC design for minimized interface
- › Proper grounding ensured by extended connector pins during insertion and removal

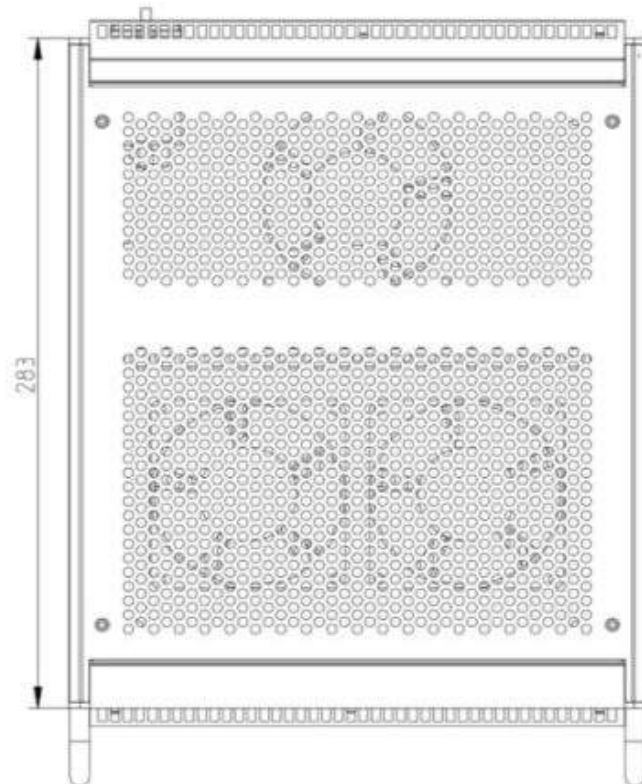
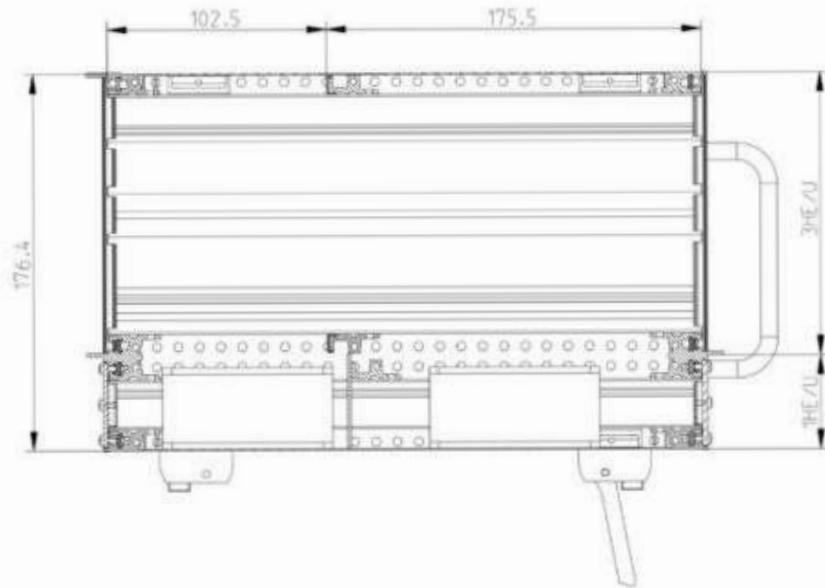
› **Management & Control**

- › Optional shelf management for voltage and temperature monitoring
- › Intelligent fan trays with multi-point temperature and fan-speed regulation

Key Features



- 4U (1+3) 42 HP CompactPCI Chassis Desktop with rear I/O
- Card rack acc. to IEEE 1101.1, 1101.10/11 and IEC 60297-3-101, -102, -103
- CompactPCI Backplane, 3U, 7 Slot, System slot right, 32Bit/ 33 MHz, VIO = 5V, with rear I/O,
- CompactPCI power supply unit 300 W with, wide range input 90 –264 VAC, Output (3.3 V / 25 A, 5 V / 25 A, 12 V / 7 A, –12 V / 2 A), efficiency: typ. 85% at 230VAC, with P47 connector, incl. 3U / 8HP front panel
- Cooled by 2x +12V DC fans 80mm, air flow from bottom to top
- Power entry module with switch, fuse and filter on the rear side
- Completely assembled and wired
- Other configurations on request



Variants

Article	Ordering Code	Description
CompactPCI 4U 42HP 7 Slots	LMH0000113	CompactPCI 4U 42HP 7 Slots-with 5V V/I/O backplane
CompactPCI 4U 42HP 7Slots	LMH0000970	CompactPCI 4U 42HP 7Slots-with 3.3V V/I/O backplane

Technical Information

Mounting	Desktop
Backplane	7 slot, 3U 3.3V or 5V I/O, 32 bit/33 MHz with rear I/O, System slot right with P47 connector
Fan Tray	Fixed
no. Of Fans	2 (12V)
Airflow	Bottom to top
Power Supply Type	300W cPCI
Power Input	90 – 264VC / 47-63Hz
No. Of Supplies	1
Output Voltages	3.3V/25A, 5V/25A, +12V/7A, -12V/2A
Power Supply Connector	Included with switch, fuse and filter
Chassis Height	4U
Chassis Width	42HP
Chassis Depth	278 mm
IEEE	1101.1 and 1101.10/11
IEC	60297-3-101, -102, -103
Military Shipboard	MIL-STD-810F: 514.5C-15 (vibration)
Military Highway	MIL-STD-810F: 514.5 C-1 (vibration), 515.5-10 (shock)
Railway	EN 50155-EN 1373 class 1 B, rolling stock (shock/vibration)