

CPCI Desktop – 3 Slots Single Euro

- **19" desktop or wall-mountable**
- **IEEE 1101.10/11 compliance**
- **4U / 24 HP system (incl. 1U fan tray)**
- **3U cards vertical**
- **3-slot 3U backplane**
- **System slot right**
- **Space for 8 HP power supply**
- **For MEN SBCs F11S, F12N, F14, F15, F17, F18, F19P, F21P, F50P, F75P**



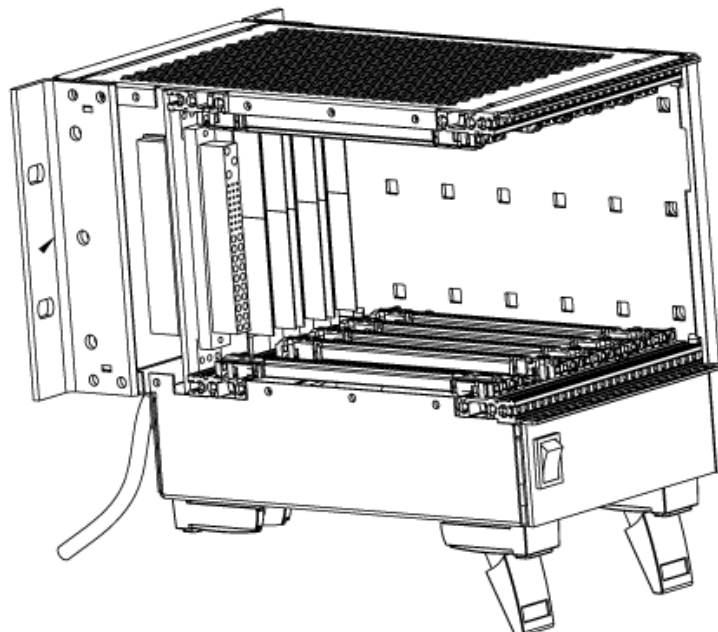
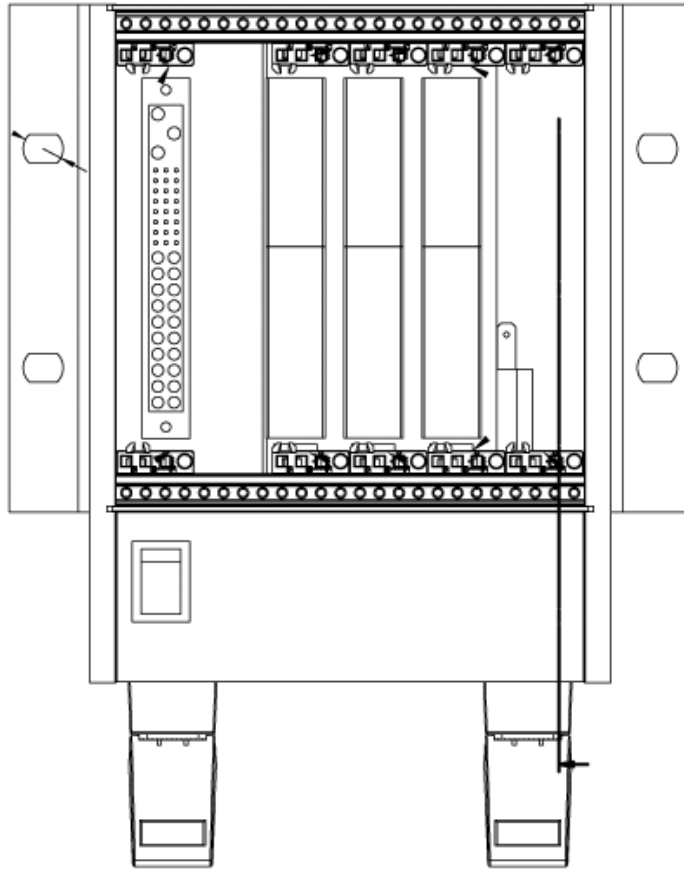
This ultra-small CompactPCI® system can either be used as a desktop device, being equipped with support feet. Or it can be mounted on a wall by using the separate angular supports that are part of the package. The power supply is located on the bottom of the system (power cable included). The 4U / 24 HP unit comprises an 1U fan tray with a low-noise fan at the bottom. The 32-bit/33 MHz backplane has three vertical slots for 3U Eurocards, with the system slot located on the right. Additional space on the right of the CPU board in the system slot allows to install an I/O side card connected to the CPU board within 8 HP width.

The two slots on the left side of the CPU board are free for peripheral slot cards, for example for boards with communication functions (UARTs, Ethernet, WLAN, GSM, GPS) or for mezzanine carrier boards (M-Modules™, PMCs, PC-Cards, Express Cards, PCI Express® Mini Cards).

Depending on the configuration requirements different types of power supplies may be needed. This system offers an 8 HP space on the left for pluggable 19 power supplies with a P47 connector. The PSU recommended for this system delivers 250 W, with a quad supply and 5 V max./40 A, as well as wide range input between 90 and 264 VAC. The system meets EMC requirements, making it a perfect choice for embedded applications in rough environments.

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Diagram



Technical Data

General System Characteristics	■ Compliance with IEC 60 297-3, IEEE 1101.10 ■ 3 slots for 3U Eurocard boards ■ 2 slots for 3U 8HP PSU ■ Additional space right of the system slot for a side card connected to the CPU board
Mechanical Specifications	■ Desktop or wall-mounted (19" angular supports included in package) ■ Fold-out support feet for desktop operation ■ 3U card vertical ■ Dimensions: 4U, 24HP, 235mm depth ■ Weight: 2.2kg (empty rack without boards)
CompactPCI® Backplane	■ 3-slot ■ 3.3V V(I/O) ■ CompactPCI® system slot on the right ■ Two CompactPCI® peripheral slots
Power Supply	■ PSU not included ■ 3U slot with P47 power connector for 8HP PSU ■ Power input at the back at the bottom of the system (cable included) ■ Power switch at the front
1U fan tray	■ One horizontal fan □ 12V □ Air flow volume 95 m³/h (manufacturer's data) □ Dimensions 119 x 119 x 32 mm □ Sound power level 4.3 Bel □ Ventilation direction from the bottom to the top
Environmental Specifications	■ Temperature range (operation): □ Up to -20..75°C (dependent on system configuration) ■ Temperature range (storage): □ -40..+85°C ■ Relative humidity (operation): max. 95% non-condensing ■ Relative humidity (storage): max. 95% non-condensing ■ Altitude: -300m to + 3,000m ■ Shock: 15g/11ms ■ Bump: 10g/16ms ■ Vibration (sinusoidal): 2g/10..150Hz
EMC	■ Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst)
Suited for MEN Boards...	■ F11S - 3U CompactPCI® Intel® Atom™ SBC ■ F12N - CompactPCI® MPC5200B SBC ■ F14 - CompactPCI® Pentium® M SBC ■ F15 - CompactPCI® Core Duo SBC ■ F17 - CompactPCI® Core 2 Duo SBC ■ F18 - CompactPCI® Core 2 Duo SBC ■ F19P - CompactPCI® PlusIO Core 2 Duo SBC ■ F21P - CompactPCI® PlusIO Intel® Core™ i7 SBC ■ F50P - CompactPCI® PlusIO MPC8548 SBC ■ F75P - CompactPCI® PlusIO Intel® Atom™ Safe Railway Computer

Ordering Information

Standard CPCI Desktop Models	MEN delivers turn-key systems completely installed (hardware, operating system, accessories), wired and tested. Different rack sizes, power supplies and backplanes on request. For details please contact your local sales representative.	
	0701-0046	CompactPCI® 19" 4U/24HP desktop system for 3U cards, 3-slot 3U CompactPCI® backplane, system slot right, 1U fan tray with 1 fan, 8 HP space for 1 pluggable PSU
Miscellaneous Accessories	0712-0013	Plug-in PSU 19", 3U, 8 HP, quad 250 W, 5 V max. / 40 A, wide-range input 90-264 V AC, P47 connector, 0..+60°C
	0714-0009	Filler panel 3U/4HP, IEEE1101, textile gasket
	0714-0018	Filler panel 3U/8HP, EMC gasket, fully pre-mounted
	0714-0019	Filler panel 3U/12HP, EMC gasket, fully pre-mounted

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