

CompactPCI Basic System - 4U, 84HP, 3U card vertical



- 19" rack-mountable
- IEEE 1101.10/11 compliance
- Highly compact 3U subrack
- 8-slot 3U CompactPCI backplane
- Prepared for rear I/O
- PXI backplane optional
- Space for hard-disk drive, floppy drive, CD-ROM drive
- 300W ATX power supply
- 1U fan tray extension
- For MEN SBCs F1N, F2, F4, F6, F7/N, F9

MEN's 4U CompactPCI basic system is a rugged 19" rack-mount enclosure. Being an extremely compact subrack in terms of overall size and depth, it has eight vertical slots for 3U Eurocards. The system slot is located to the right, with space to use a 4HP system master CPU plus a 4 or 8 HP I/O extension board placed to the right of the CPU board.

The CompactPCI system gives just the flexibility you need to set up an embedded solution that meets your application needs, e.g. with a high-end CPU board and several mezzanine carrier boards for I/O extension.

For optimum convenience the system is prepared for essential mass storage media: the 3U bay can accommodate a 3.5" hard disk drive and a floppy disk drive, all available from MEN. A 300W ATX wide-range (100..240VAC) power supply unit which is accessible from the front of the system is already included and wired.

The enclosure meets EMC requirements, making it a perfect choice for embedded applications in rough environments.

Ask us for completely configured, wired and tested systems!

Technical Data

General System Characteristics

- Compliance with IEC 60 297-3, IEEE 1101.10
- 8 slots for 3U Eurocard boards with rear I/O
- 8HP on the right for I/O extension, additional front panels etc.
- F4
- F6
- F7/N
- F9

Mechanical Specifications

- 19" rack-mount standard
- 3U card vertical
- 1U fan chassis with two vertical fans
- 3U/12HP bay for 3.5" floppy disk drive, 3.5" hard disk drive
- Dimensions: 3U, 84HP, 278mm depth
- Weight: tbd.

CompactPCI Backplane

- Compliance with CompactPCI Spec. 2.0 Rev. 2.1 and IEC 61076-4-101 (connectors)
- 8-slot
- 3U with rear I/O
- System slot on the right

Power Supply

- PC power supply PS/2
- 3U/32HP
- ATX-PSU 300W
- 100V..240V AC wide range
- 48..63Hz
- Agency-approved: CE, UL Recognized Component mark
- Front-panel power connectors
- Front-panel power-on switch

Environmental Specifications

- Temperature range (operation):
- 0..+50°C
- Power supply: 0..+40°C without derating
- Temperature range (storage):
- -40..+85°C
- Power supply: -20..+65°C without derating
- 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

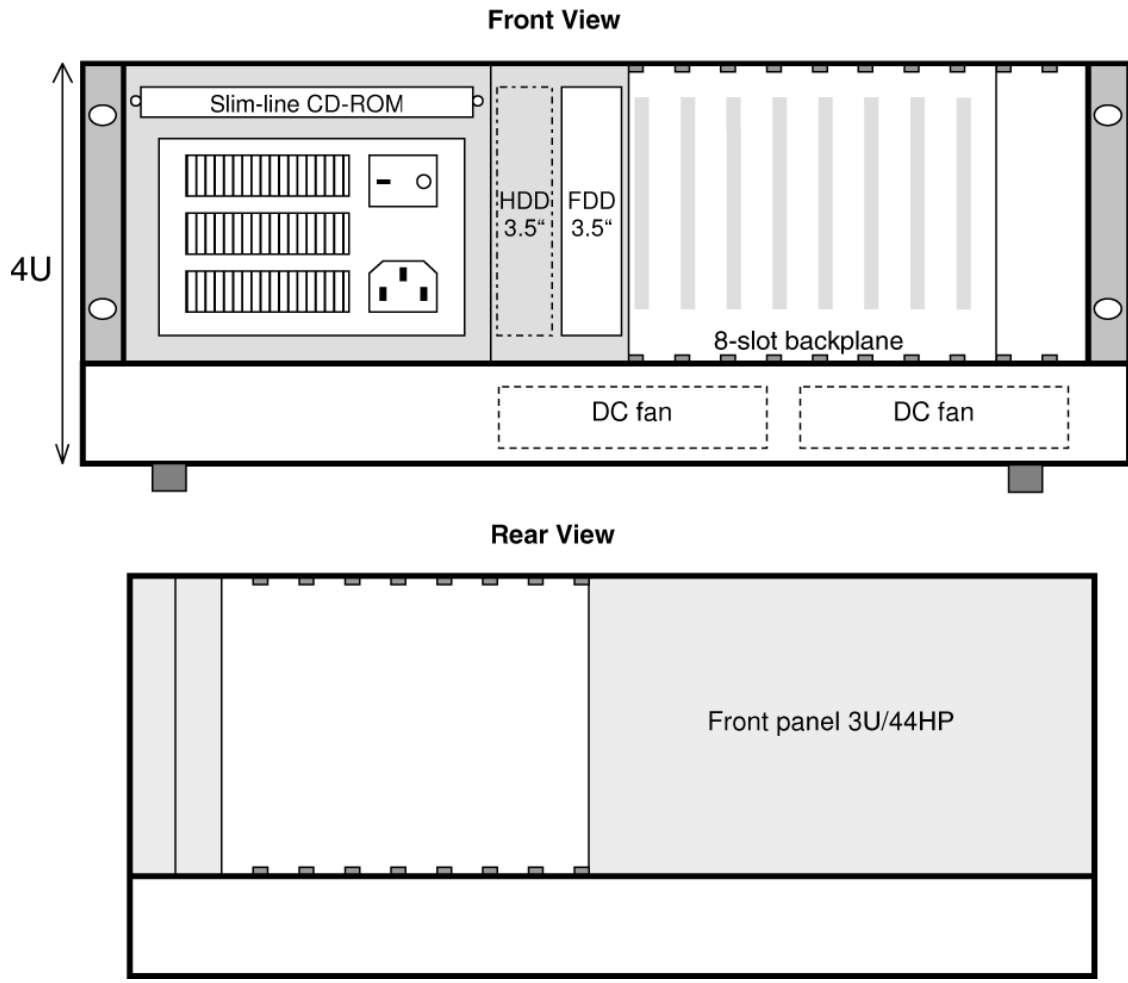
EMC

- Tested according to EN 55022 / 1999-05 (radio disturbance) and EN 55024 / 1999-05 (immunity) with regard to CE conformity

Suited for MEN Boards...

- F1N
- F2

Diagram



Related Products

Standard Hardware

0701-0021	CompactPCI 19" 4U/84HP rack-mount enclosure for 3U cards (vertical), 8-slot 3U CompactPCI backplane, system slot right, prepared for rear I/O, space for hard-disk drive, floppy drive, CD-ROM drive, 300W ATX power supply wide range 100..240VAC on front, 1U fan tray with 2 fans included
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Systems & Card Cages

Disk drives for basic systems are delivered as requested. Different rack sizes, power supplies and backplanes on request.

MEN also supplies turn-key systems including installed CPU and extension boards, peripherals and software! For details on available CPU boards, mezzanine I/O extension and software, please contact your local sales representative.

Accessories

0710-0002	CD ROM (laptop type) drive incl. mounting and mounting material
0710-0004	Standard floppy disk drive incl. cable and mounting accessories
0710-0005	3.5" IDE hard disk drive incl. mounting material, usual market capacity
0714-0002	Filler panel 3U/4HP IEEE 1101
0714-0005	Cooling baffle for 3U, 4HP 160mm deep
0780-0001	Power cable with power connector/safety plug, 2m

For the most up-to-date ordering information and direct links to other data sheets and downloads, see the 0701-0021 online data sheet under www.men.de. --> [Click here!](#)

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