

# CompactPCI Basic System - 3U, 84HP, 6U card horizontal



- 19" rack mountable
- IEEE 1101.10/11 compliance
- Highly compact 3U subrack
- 5-slot 6U CompactPCI backplane
- Prepared for rear I/O
- Optional rear I/O on front
- PXI backplane optional
- Space for hard-disk drive, floppy drive, CD-ROM drive
- 300W ATX power supply
- Fan
- For MEN SBCs D2, D3, D4 (F7/N, F9 with 6U kit)

MEN's 3U CompactPCI basic system is a rugged 19" rack-mount enclosure. While being an extremely compact subrack in terms of overall size and depth, it has five horizontal slots for 6U Eurocards and provides additional space for 80mm transition modules in accordance with the CompactPCI specification, storage peripherals and other I/O expansion. Optionally it is possible to have access to rear I/O functions such as USB at the front of the housing. The system gives you all 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 3.5" hard and floppy disk drives as well as a 5.25" CD-ROM drive, all available from MEN. An ATX power supply unit with wide range (100 to 240VAC) and a fan are already installed and wired.

The enclosure meets EMC requirements and guarantees even airflow, 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, IEC 60 297-4, IEEE 1101.10, IEEE 1101.11
- 5 slots for 6U Eurocard boards
- 5 slots for 6U rear I/O 80mm I/O boards
- Ventilation using DC fan through side panels

### Mechanical Specifications

- 19" rack-mount standard
- 6U card horizontal
- 3U/32T bay for 3.5" floppy disk drive, 3.5" hard disk drive, laptop CD-ROM drive
- Rear-I/O cut-outs:
  - Optional on front 3U bay
  - 2 cut-outs for USB
  - 1 cut-out for COM (for 9-pin D-Sub or 15-pin HD-Sub connector)
  - 1 cut-out for parallel port (for 25-pin D-Sub or 44-pin HD-Sub connector)
- Dimensions: 3U, 84HP, 360mm depth
- Weight: tbd.

### CompactPCI Backplane

- Compliance with CompactPCI Spec. 2.0 Rev. 2.1 and IEC 61 076-4-101 (connectors)
- 5-slot
- 6U with rear I/O on J3/J4/J5
- System slot on the left (bottom)

### Power Supply

- PC power supply PS/2
- ATX-PSU 300W
- 100V..240V AC
- 50/60Hz
- Agency-approved: CE, TÜV Rheinland, UL Recognized Component mark, UL Canadian Recognized Component mark
- Back-panel power connectors
- Power-on switch

### Environmental Specifications

- Temperature range (operation):
  - 0..+50°C
- 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

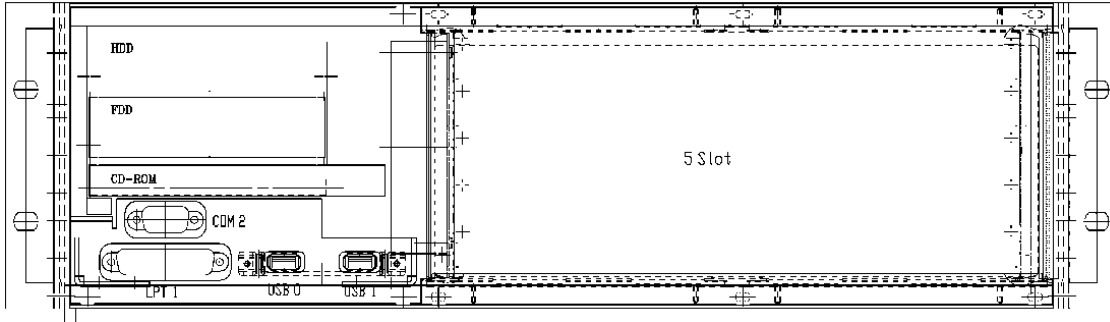
### EMC

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

### Suited for MEN Boards...

- D2
- D3
- D4
- (F7/N with 6U kit)
- (F9 with 6U kit)

### Diagram



## Related Products

### Standard Hardware

0701-0022	CompactPCI 19" 3U/84HP horizontal rack-mount enclosure for 6U cards, 5-slot 6U CompactPCI backplane, system slot right (bottom), prepared for rear I/O, space for hard-disk drive, floppy drive, CD-ROM drive, 300W ATX power supply wide range 100..240VAC, fan
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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
0714-0001	Filler panel 6U/4HP IEEE1101
0714-0004	Cooling baffle for 6U, 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 0701-0022 online data sheet under [www.men.de](http://www.men.de). --> [Click here!](#)*

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