

D202 - 6U CompactPCI/PXI Carrier Board for PC-MIP



- ◆ 1 CompactPCI bus slot
- ◆ 1 PXI slot
- ◆ 6 PC-MIP slots

The D202 is a 6U PC-MIP carrier board for universal I/O on the CompactPCI bus or on the PXI bus. You can install up to six PC-MIPs on the D202, with four Type I/II and two Type I PC-MIPs.

All PC-MIPs provide I/O via the J3/J4/J5 CompactPCI connectors of the D202, while the four Type II modules are also accessible at the front panel.

Even equipped with six PC-MIPs, the D202 needs only one slot on the CompactPCI/PXI bus.

PC-MIPs are an ideal solution for flexible and fast CPU-related applications, which take advantage out of the internal PCI bus of the PC-MIPs.

Technical Data

CompactPCI Bus

- Compliance with CompactPCI Specification 2.0 R2.1
- Only one slot required on the 6U CompactPCI bus
- DECchip 21150 PCI-to-PCI bridge
 - Target and/or initiator on PCI bus
 - Max. clock frequency 33MHz
 - Power supply 5V and 3.3V
- Compliance with PCI Specification 2.1
- 32-bit PCI data bus
- V(I/O): +3.3V or +5V (Universal Board)

PC-MIPs

- Up to six PC-MIP modules on one board
- Support of 2 Type I and 4 Type II modules
- Local 32-bit PCI bus

Peripheral Connections

- Via front panel
- Via CompactPCI J3/J4/J5

Electrical Specifications

- Supply voltage/power consumption:
 - +5V (4.85V..5.25V), 5mA typ.
 - +3.3V, 150mA typ.
- MTBF: 225,000h @ 50°C

Mechanical Specifications

- Dimensions: conforming to CompactPCI specification for 6U boards
- Front panel: aluminum with 2 handles
- Weight: 320g

Environmental Specifications

- Temperature range (operation):
 - 0..+60°C
 - Industrial temperature range on request
 - Airflow: min. 10m³/h
- Temperature range (storage): -40..+85°C
- Relative humidity range (operation): max. 95% non-condensing
- Relative humidity range (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
- Shock: 15g/0.33ms, 6g/6ms
- Vibration: 1g/5..2,000Hz

Safety

- PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

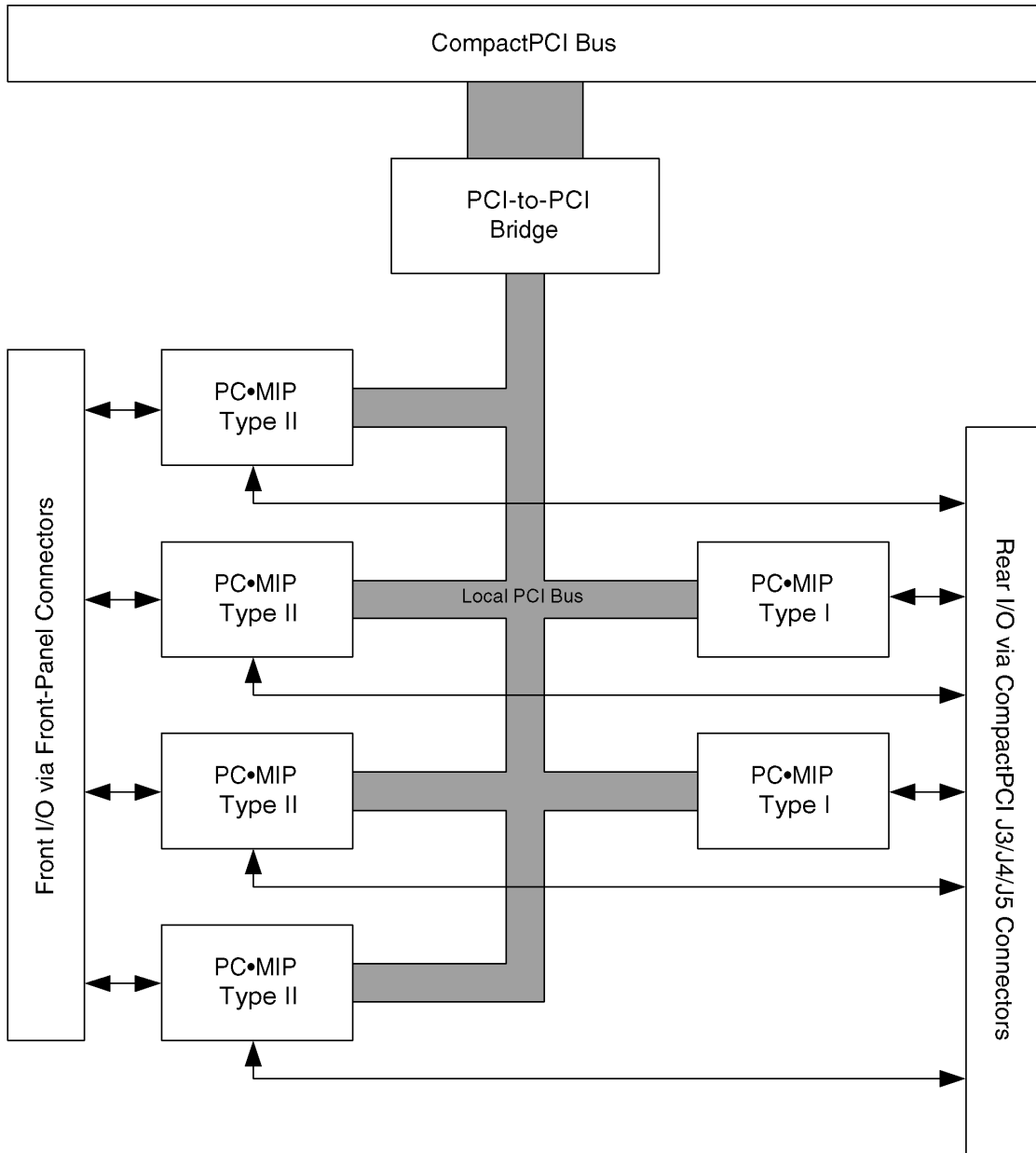
EMC

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

Software Support

- PC-MIP drivers for Windows, VxWorks, Linux, OS-9, RTX as supported

Diagram



Related Products

Standard Hardware

02D202-00	D202, CompactPCI 6U, carrier board for 6 PC-MIP modules (with J3/J4/J5)
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Accessories

08CT01-00	CompactPCI transition module 6U/80mm, 6 x 50-pin + 4 x 68-pin ribbon cable connectors
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Software

Driver software for Windows, Linux, VxWorks, QNX, RTX and OS-9 is available for the different PC-MIPs. Please refer to the PC-MIP/s of your choice for information and download.

Documentation

20CT01-00	CT01 user manual
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20D202-00	D202 user manual
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For the most up-to-date ordering information and direct links to other data sheets and downloads, see the D202 online data sheet under www.men.de. --> [Click here!](#)

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