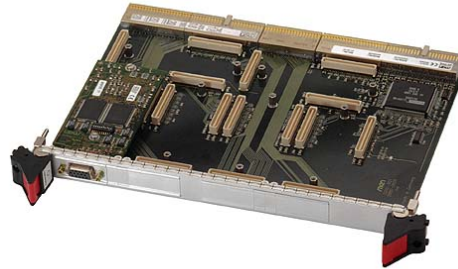


D202 – 6U CompactPCI® PC-MIP® Carrier Board

- 1 CompactPCI® bus slot
- 6 PC-MIP® slots



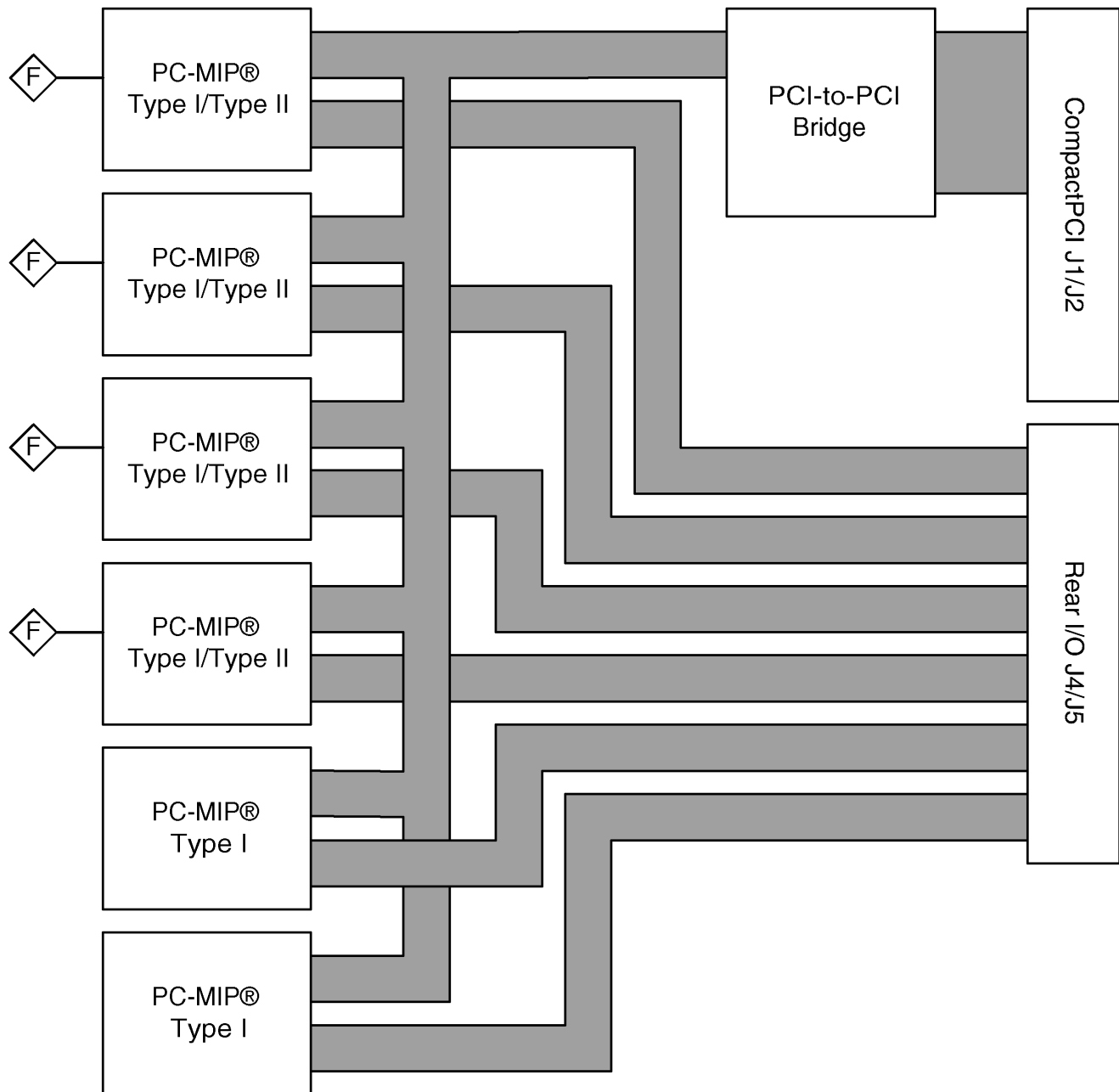
The D202 is a 6U PC-MIP® carrier board for universal I/O on the CompactPCI® bus. You can install up to six PC-MIPs on the D202, with four Type I/II and two Type I PC-MIPs.

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® 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.

Diagram



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 (3.2V..3.5V), 150mA typ. ■ MTBF: 225,000h @ 50°C (derived from MIL-HDBK-217F)
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/11ms ■ Bump: 10g/16ms ■ Vibration (sinusoidal): 2g/10..150Hz ■ Conformal coating on request
Safety	■ PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers
EMC	■ Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst)
Software Support	■ PC-MIP® drivers for Windows®, VxWorks®, Linux, QNX®, OS-9® as supported

Configuration & Options

Options

Cooling Concept

- Also available with conduction cooling in MEN CCA frame

Please note that some of these options may only be available for large volumes. Please ask our sales staff for more information.

Ordering Information

Standard D202 Models	02D202-00	PC-MIP® carrier board, with J3/J4/J5, 0..+60°C
Software: Miscellaneous	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.	
For operating systems not mentioned here contact MEN sales .		
Documentation	Compare Chart 6U CompactPCI® cards » Download	
	20CT01-00	CT1 User Manual
	20D202-00	D202 User Manual

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