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CP-613

PC•MIP and PMC Mezzanine Carrier Board for 6U CompactPCI®

Application Information

The CP-613 mezzanine carrier board. holds one PC•MIP module and two PMC modules, providing a range of solutions for systems that require front or rear-panel I/O in a single 6U CompactPCI slot. The CP-613 carrier board is ideal for use in high performance industrial, COTS, and telephony CompactPCI systems.

Using the industry standard Intel 21152 PCI to PCI Bridge, the CP-613 supports a 32-bit data path at 33 MHz, for 132 MB/s operation. The PC•MIP site and the PMC sites support bus mastering.

The CP-613 carrier board complies with the PICMG 2.0, version 3.0 CompactPCI specification and the PC•MIP site is compatible with the PC•MIP draft specification (ANSI/VITA-29).

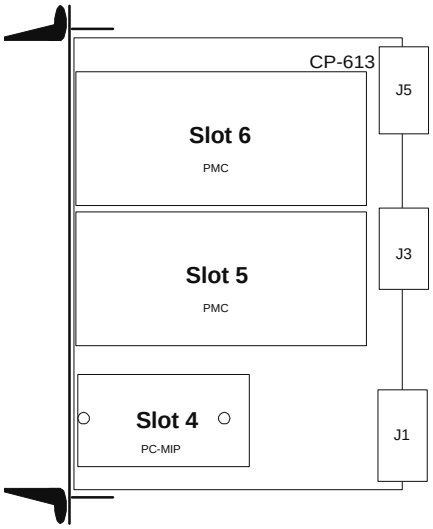
Features

- 6U CompactPCI Carrier Board Holds up to Two PMC and One PC•MIP Modules
- Intel 21152 PCI to PCI Bridge
- 32-bit, 33 MHz, up to 132 MB/s Operation
- Front or Back Panel I/O Support for Both PMC Sites
- Front or Back Panel I/O Support for PC•MIP Site

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Specifications

Form Factor	6U CompactPCI
PC•MIP Modules Sites	One
PMC Module Sites	Two, 3.3V signalling
Carrier Interface	CompactPCI, PICMG 2.0, version 3.0 compliant
PCI	PCI Specification, Revision 2.2 compliant
PC•MIP Interface	PC•MIP draft specification (ANSI/VITA-29)
PCI Bridge	Intel 21152 PCI to PCI Bridge
PCI Bus Mastership	One PC•MIP site, two PMC sites, and host PCI bus
Front Panel I/O Access	All sites (Two PMC, one PC•MIP)
Rear panel I/O Access	All sites (Two PMC, one PC•MIP)
Power Requirements	+3.3 VDC, 90 mA max Additional power consumed by modules
Dimensions	233 mm x 160 mm
Weight	tbd kg (tbd lb)
Environmental	Operating temperature: 0 to 70°C Humidity: 5 to 95% non-condensing Storage: –40 to +85°C



	Module		Front Panel I/O	Back Panel I/O	Bus master
Slot	Type I	Type II	Location	Location	
4	Yes	Yes	On module	J3 / J5	Yes
5	PMC		On module	J3	Yes
6	PMC		On module	J5	Yes

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Ordering Information

CP-613	PC•MIP and PMC Mezzanine Carrier Board for 6U Compact PCI
EK-CP-613	Engineering Kit for CP-613. Contains: Printed hardware user manual Bill of materials Assembly drawing Intel 21152 data sheet

Custom versions of this product can be created with additional specialized PCI devices built onto the carrier. Front- and rear-panel panel I/O space is available.

Associated Products

TM-680	Back panel J3, J4, J5 transition module for 6U CompactPCI PC•MIP carriers. One 50-pin ribbon header for each mezzanine site.
MC-303	Three Site PC•MIP carrier for 3U Compact PCI
MC-606	Six Site PC•MIP carrier for 6U Compact PCI
MC-607	Six Site PC•MIP carrier for 6U Compact PCI
CP-620	Dual PMC Mezzanine Carrier Board for 6U Compact PCI
CPMC1	PMC Mezzanine Carrier Board for 3U Compact PCI
C-IP50F-IP50F-3	Three foot 50 conductor ribbon cable with female IDC headers
C-IP50F-IP50F-6	Six foot 50 conductor ribbon cable with female IDC headers
IP-TERM	Fifty screw terminal block with 50 pin ribbon cable header

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