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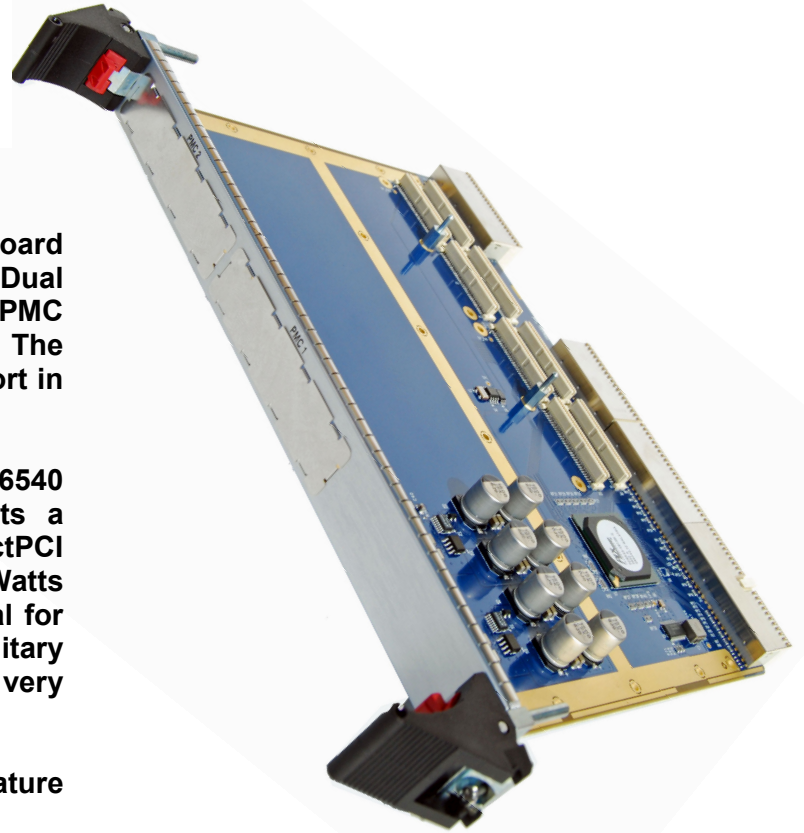
XCPC-9200 Dual PMC Carrier

Overview

The XCPC-9200 CompactPCI mezzanine carrier board provides 25 Watts of power for each PMC site. Dual PMC sites are available on the XCPC-9200 for PMC I/O modules or high power FPGA modules. The XCPC-9200 offers front- and rear-panel I/O support in a standard 6U CompactPCI slot.

Utilizing the industry-standard PLX PCI-6540 PCI-X-to-PCI-X bridge, the XCPC-9200 supports a 32/64-bit data path at 33/66MHz on the CompactPCI interface. The two PMC sites support up to 25 Watts of 3.3V and 5V of power. The XCPC-9200 is ideal for use in high-performance industrial, COTS, Military and telephony CompactPCI systems that require very high performance I/O expansion using PMC.

Conduction-Cooled and extended temperature versions are also available.



Features

- 6U CompactPCI carrier board with sites for two PMC modules
- Provides 25 Watts of power for each PMC site, ideal for FPGA PMCs
- 64-bit, 33/66 MHz, PLX Technology PCI-X-to-PCI-X Bridge
- Supports standard (IEEE1386.1) PMC modules
- CompactPCI specification, PICMG 2.0, version 3.0 compliant
- Front- or rear-panel I/O support on both PMC sites
- 128 I/O lines via rear panel J3, J5 CompactPCI connectors
- 3.3V PCI-X signaling for the PMC sites, with extended power on each site.

**Host
High Wattage
FPGA Modules**





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XCPC-9200 CompactPCI Dual PMC Carrier

CompactPCI Interface

- 32/64-bit, 33/133MHz up to GB/s operation

PMC Interface

- Two PMC modules in a single CompactPCI slot
- 32/64 bit, 66/133MHz, up to 1GB/s
- 3.3 Volt, 5 Volt, +12 Volt and -12 Volt provided for PMC modules via CPCI backplane
- Front- or rear-panel I/O support for both PMC sites. 64 I/O lines per PMC site
- 25 Watts per PMC site

Power Requirements:

PMC sites can draw up to 25W of 3.3V depending on PMC module used.

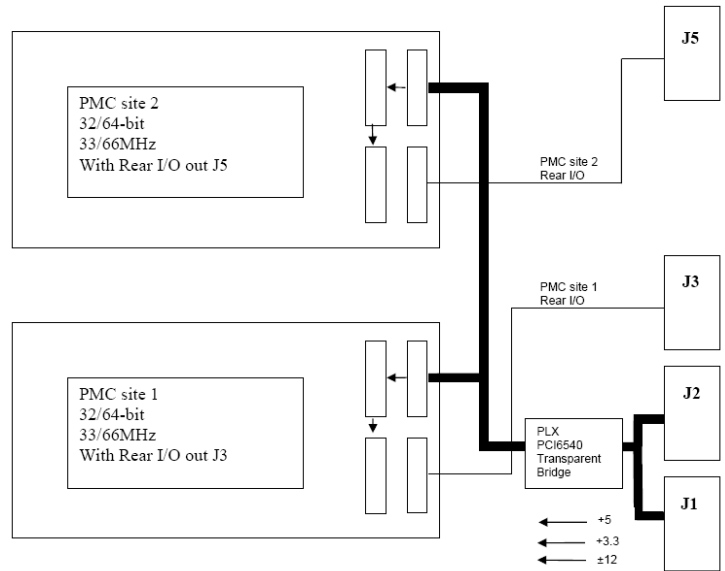
+3.3 VDC, 220mA typical plus any additional power consumed by PMCs

+5 VDC, 20mA typical plus any additional power consumed by PMCs

Order Information

XCPC-9200-00X

- 1 = Standard -25C to +70C
- 2 = Conduction-cooled



Environmental

Form Factor: 6U Compact PCI Width 9.2" (233mm)
Depth 6.3" (160mm)

Carrier Interface CompactPCI, PICMG 2.0, version 3.0 compliant

Standard Temperature: -25 to 70° C (Air flow requirement as measured with heat sink is to be greater than 200 LFM)

Conduction-cooled Temperature: -40° to 85° C (no Air flow requirement must be mounted in a Conduction Cooled Enclosure)

Vibration: .05Gs RMS (20 - 2000 Hz) random, Operating 6Gs RMS per Hz spectrum

Shock: 30Gs each axis, 11ms

Storage Temperature: -55° to 100° C

Relative Humidity: 5 to 95 percent, non-condensing

MTBF: MIL Spec 217-F@ 105,000 Hrs.

Compliance

IEEE 1386.1 (CMC Standard), VITA 32 (PrPMC Standard).
PICMG 2.16, Hot Swap 2.1