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XVME-976-209

Dual PMC Carrier

Overview

The XVME-976 carrier module family provides an effortless method of deploying PMC modules in the VMEbus rack using a Xembedded processor module with the XVME-976-209.

Using two (stacked) XVME-976-209s allows expansions of the Xembedded XVME-689 or XVME-690 processor to include up to five PMC modules for functions such as; FPGA, Ethernet, SCSI, serial port, digital I/O, analog I/O and special function PMC modules. That's one PMC on the processor, two PMC sites on each of the XVME-976-209.

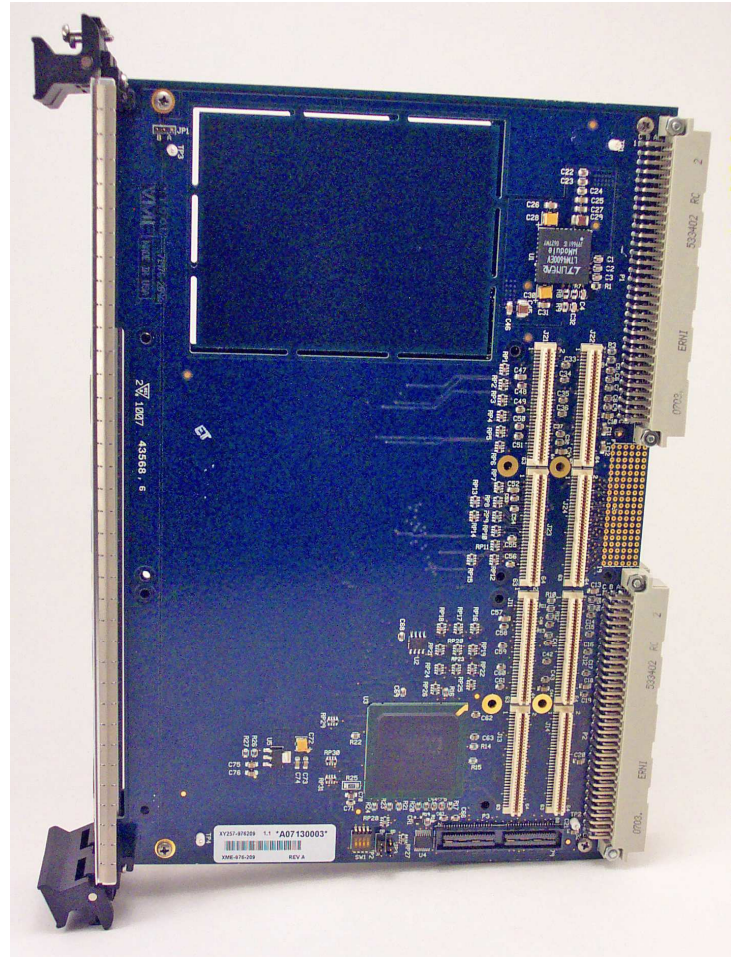
The PMC sites on the XVME-976-209 are IEEE P1386 compliant and will provide the power needed by most PMC modules.

Features

The XVME-976/209 can be used to stack up to 5 PMC modules total on one XVME-689 or XVME690 Processor module. This is accomplished using 2 XVME-976-209 and 1 XVME-689 or XVME-690.

RoHS or standard versions available.

Fits into any standard 6U VMEbus card cage adjacent to the Xembedded XVME-689/690 processor module.



Each Carrier occupies only one VMEbus slot. That's three VMEbus slots for a total of five PMC modules.

The XVME-976-209 carrier offers one PMC site with I/O out the rear P2 and one PMC site uses the optional P0 for rear I/O. Both sites support front I/O.

All PMC sites are capable of providing 14 watts of power to the PMC module.





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Hardware Specifications

PMC Expansion Sites

Compatible with 2.0 PMC Specifications IEEE P1386 modules.

Two 32-bit sites, one with rear I/O out P2 of the carrier and the other site with rear I/O out the optional P0.

Note: The XVME-976 carrier draws power and ground from the VMEbus.

VMEbus Compliance

BGXIN* tied to BGXOUT* on this module.

Ordering Information

XVME-976/2X9 Carrier module with two PMC sites

XVME-976-209 with standard VME handles, without optional P0

XVME-976-219 with CompactPCI handles, without optional P0

XVME-976-229 with standard VME handles and optional P0

XVME-976-239 with CompactPCI handles and optional P0

(The P0 is used to bring PMC rear I/O out the rear of the VMEbus chassis)

Environmental Specifications

Power

Each site is capable of providing 14 watts of power.

Temperature

Operating -25° to 70° C (32° to 122° F).

Non-operating -40° to 60° C (-40° to 140° F).

Vibration

Frequency 5 to 2000 Hz

Operating .015" (.38 mm) peak-to-peak.

Displacement 2.5 g (maximum) acceleration.

Non-operating .030" (.76 mm) peak-to-peak.

Displacement 5.0 g (maximum) acceleration.

Shock

Operating 30 g peak acceleration 11 msec duration.

Non-operating 50 g peak acceleration 11 msec duration.

Humidity

Operating 20% to 80% RH, non-condensing.

Non-operating 20% to 80% RH, non-condensing.