



# EMBEDDED

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## XVME-9076

### Dual PMC Carrier

### Overview

The XVME-9076 carrier provides dual-channel PMC support for two PMC expansion modules. Each PMC card uses its own bus resource. The four lanes of PCI Express enables high-speed connection for 1GB bandwidth in each direction to the Xembedded XVME-6200 Core2 Duo VMEbus processor.

The XVME-9076 allows expansions of the Xembedded XVME-6200 to include up to three PMC modules or two PMC modules and one XMC module for functions such as: FPGA, Ethernet, SCSI, serial port, digital I/O, analog I/O and special-function PMC modules. That's one PMC or XMC on the processor and two on the XVME-9076.

The PMC sites on the XVME-9076 are IEEE P1386 compliant and will provide the power needed by most PMC modules.

### Features

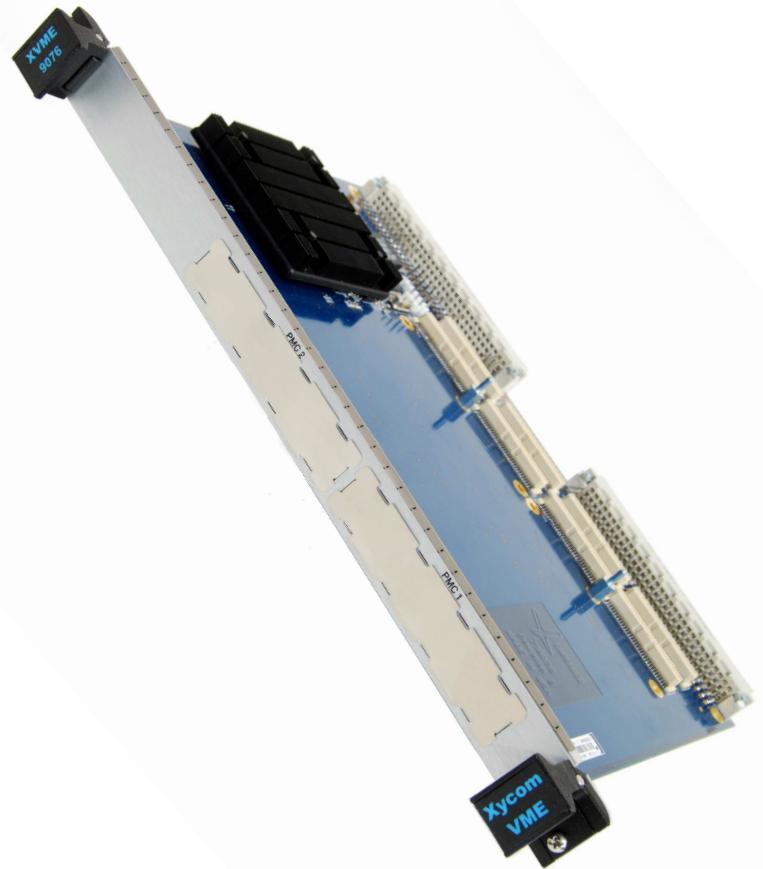
Single-slot dual PMC carrier module for use with the XVME-6200,

Two 32/64-bit, 33/66/133MHz 3.3V PCI-X sites with front panel I/O cutout.

PMC expansion for two additional PCI-X sites on XVME-6200 processor

High-speed connection using four lanes of PCI Express capable of 1GB per second bandwidth in each direction.

Support for PMC cards at speeds up to 133Mhz



3.3V –tolerant signaling using 64-bit PCI-X

Seamless integration with an XVME-6200 processor

Fits into any standard 6U VMEbus card cage

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





# XVME-9076

## Dual PMC Carrier

### Hardware Specifications

#### PMC Expansion Sites

Intel® 41210 Serial to Parallel PCIe-to-PCI-X Bridge

PCI Express x4 Interface

32/64-bit, 33/66/133MHz PCI-X operation

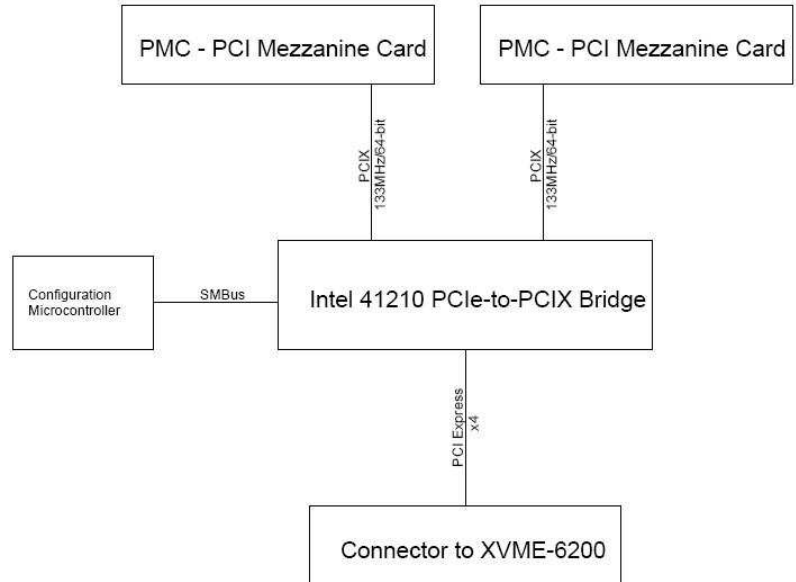
Two 64-bit sites, one with rear I/O out P2 of the carrier and the other site with rear I/O out the optional P0.

Compatible with PMC 2.0 Specifications for IEEE P1386 modules.

Note: The XVME-9076 carrier draws power and ground from the VMEbus backplane

#### VMEbus Compliance

BGXIN\* tied to BGXOUT\* on this module.



### Ordering Information

**XVME-9076-309 with standard VME handles, without optional P0**

**XVME-9076-319 with CompactPCI handles, without optional P0**

**XVME-9076-329 with standard VME handles and optional P0**

**XVME-9076-339 with CompactPCI handles and optional P0**

(The P0 is used to bring the second PMC's 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 (-13° to 158° F) with 200CFM airflow.

**Non-operating** -40° to 85° C (-40° to 185° 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 90% RH, non-condensing.

**Non-operating** 20% to 90% RH, non-condensing.

#### RoHS Compliant