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Find the *Extreme Engineering Solutions XChange1001* at our website: *Click HERE*

XChange1001

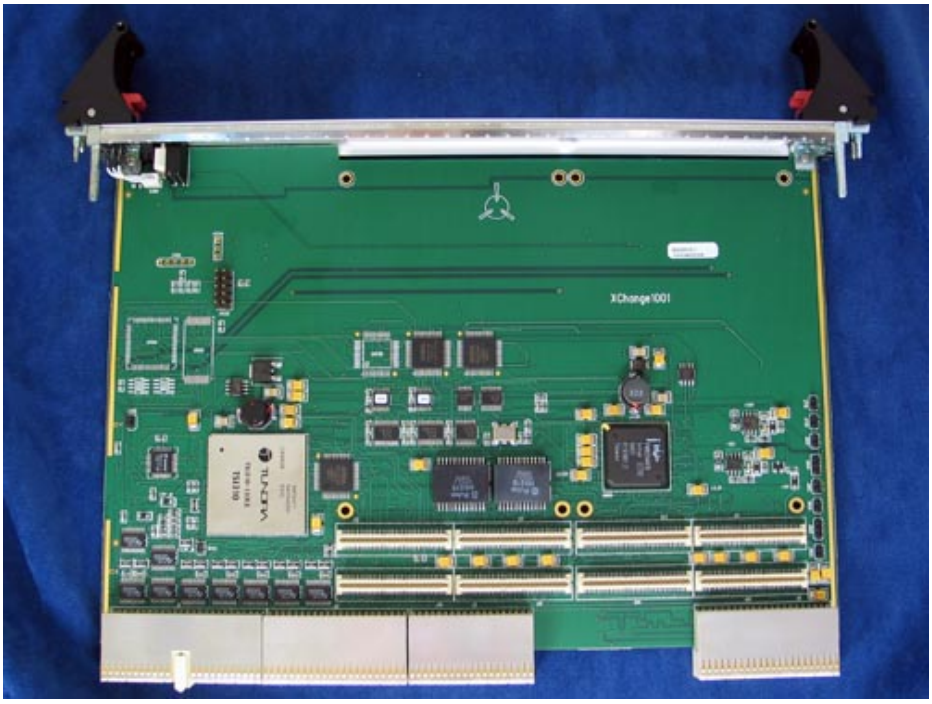
Dual PrPMC CompactPCI Carrier Card PICMG 2.16 Switched Ethernet

Features

- 133MHz PCI-X CompactPCI and Local Bus Interfaces
- Autosense System / Peripheral Slot
- Hot Swap SupportTwo 10/100/1000 Mbs PICMG 2.16 Backplane Ethernet ports
- Complies to PICMG 2.0, 2.1, 2.9, 2.16
- VxWorks BSP
- Linux LSP

Typical Applications

- LAN/WAN Networking
- Telecommunication Management Network
- Data and Process Control



XChange1001 is a versatile 6U CompactPCI dual PMC carrier card with a PICMG 2.16 Gigabit Ethernet backplane interface. With PCI-X support on both CompactPCI and local bus interfaces, XChange1001 is ideal for applications requiring high bandwidth and the flexability that PMC modules offer.

PICMG 2.1 Hot Swap support allows XChange1001 to be installed into a live system without disrupting CompactPCI bus activity. In addition, system management bus support allows the card to be powered down and reset remotely through the PICMG 2.9 IPMI interface. The IPMI interface also allows for the monitoring of voltage and temperature levels on the cards attached to the two PrPMC slots.

X-ES

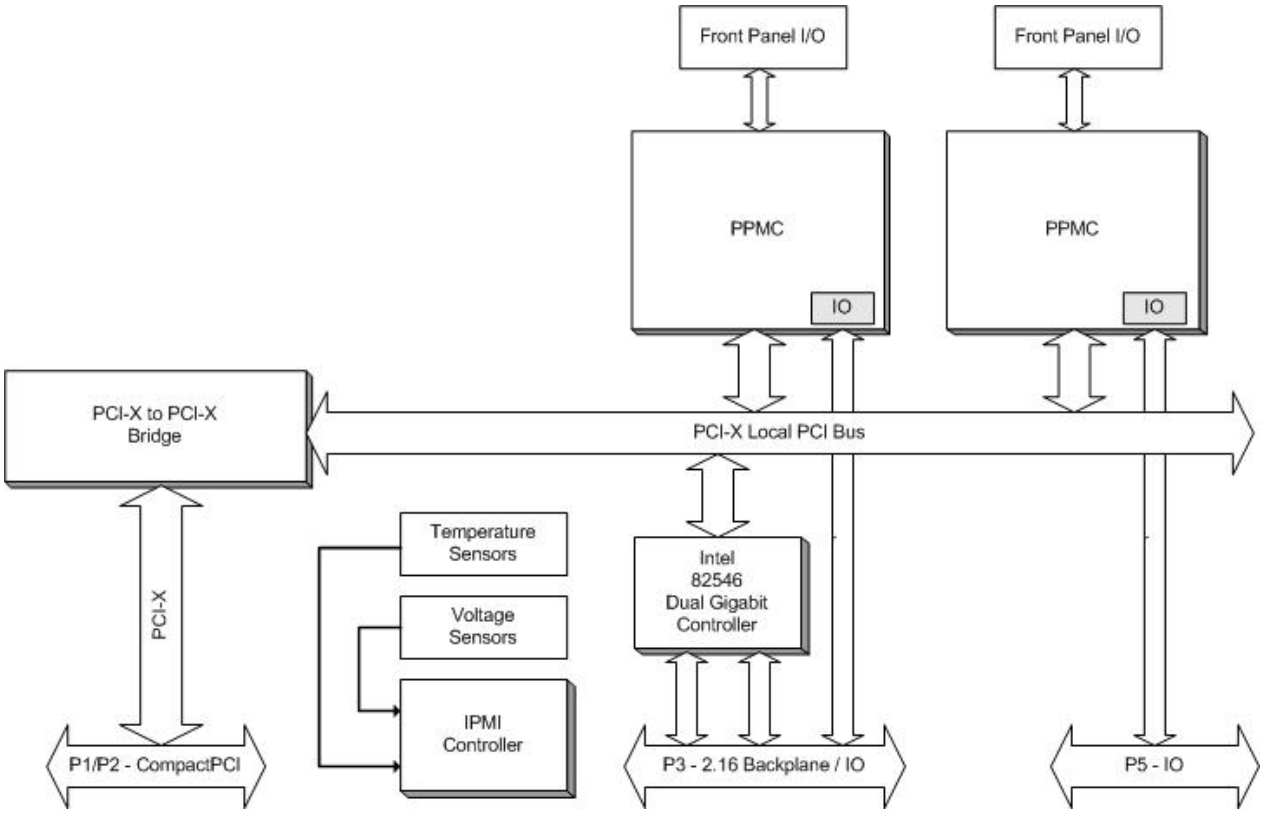
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For more information on XChange1001:
Visit: http://www.xes-inc.com/
Call: 608-833-1155
E-mail: sales@xes-inc.com

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Block Diagram

XChange1001



PICMG 2.1

- Hot Swap Support Allows Insertion and removal from an active CompactPCI bus

PICMG 2.3

- Routes PMC I/O to P3 and P5

PICMG 2.9

- Dedicated IPMI Microcontroller
- Ability to control power and reset to the PMC slots
- Monitors 1.5V, 2.5V, 3.3V, 5V, +12V, -12V
- Monitors Board Temperature

PICMG 2.16

- Auto negotiates between 10/100/1000Mbps
- High Bandwidth PCI-X Controller

PCI-X PMC Slots

- Maximum Aggregate Bandwidth of 1GBps
- PrPMC (Processor PMC) Support

Software

- VxWorks Driver
- Linux Driver
- IPMI Drivers

Physical

- 6U CompactPCI Form Factor
- 233.35mm x 160mm

Power Requirements

- +3.3V 0.61A 2.0W
- +5.0V 0.00A 0.0W
- +12.0V 0.00A 0.0W
- -12.0V 0.00A 0.0W

Operating Temperature

- 0 to +55C ambient, at board
- -40 to 85C ambient, at board, for optional Industrial rating

Humidity

- 0% to 85%

Storage Temperature

- -40 to +70C

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