

General Standards Corporation

High Performance Bus Interface Solutions

cPCIe4 to PMC Adapter



Features:

- **Supports 32/64 bit PCI/PCI-X Bus**
- **Supports both +3.3v & +5v PCI Signaling**
- **Supports 33/66Mhz PCI Bus, 66/133Mhz PCI-X Bus**
- **Adapts a single-width PMC form factor to cPCI Express (x1, x2, x4 link)**
- **The PCI Express interface supports 4 lanes operating at 2.5 Gbps per lane**
- **Extended temperature range (-40 to +85 degrees Celsius)**
- **PXIE Compatible**
- **RoHS Compliant**

General Standards Corporation

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PCIe & PCI Compatibility:

- PCI Local Bus Specification, Revision 3.0
- PCI Express Base Specification, Revision 1.1
- PCI Express to PCI Bridge Specification, Revision 1.0

Electrical Characteristics:

Power supplied to PMC module: (Regulated from PCIe bus, +12V)

+3.3vdc	–	3.0A, max;
+5vdc	–	3.0A, max;
-12vdc	–	400mA, max;
+12vdc	–	1.0A, max;

LED Indicators:

These LEDs are used to monitor the board circuitry.

D1 – Lane 3, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.

D2 – Lane 2, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.

D3 – Lane 1, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.

D4 – Lane 0, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.

D5– Always on, indicates +3.3v supply from PCIe bus.

D6– Always on, indicates +3.3v supply from PMC bus.

D7– Always on, indicates +5.0v supply from PMC bus.

D8– Always on, indicates -12.0v supply from PMC bus.

D9– Always on, indicates +12.0v supply from PCIe bus.

D11– Illuminated when a PCIe reset occurs.

D16– Illuminated when “M66EN” is enabled at PMC module.

D17– Illuminated when “PCI-X” is enabled at PMC module.

A – Front Panel LED, Illuminated when “REQ” is active on PMC module.

B – Front Panel LED, Illuminated when “IRQ” is active on PMC module.

VIO Selection:

SW1– Switch position determines PMC signal level. (User selectable)

Geographical Addressing:

SW2– Switch can be used to encode board location in the backplane. (User selectable)

Mechanical Characteristics:

Height: ~100.0 mm (3.93 in).

Length: ~160.0 mm (6.29 in).

Environmental Specifications:

Ambient Temperature Range:	Operating: -40 to +85 Degrees Celsius
	Storage: -65 to +150 Degrees Celsius

Relative Humidity:	Operating: 0 to 80%, non-condensing
	Storage: 0 to 95%, non-condensing

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Ordering Information:

No addition options are available at this time.

This spec sheet comprises/provides the entire documentation needed for supporting this product.

General Standards Corporation assumes no responsibility for the use of any circuits in this product. No circuit patent licenses are implied. Information included herein supersedes previously published specifications on this product and is subject to change without notice.

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