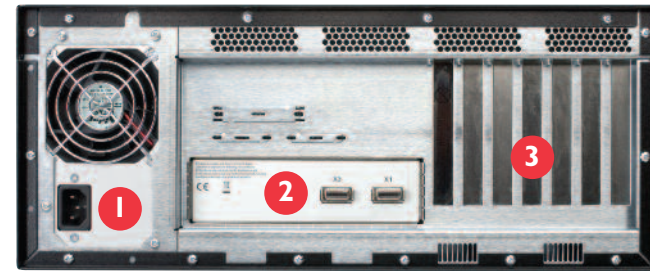


PE6R4 - Top View

1. Six slot PCI-X backplane
2. Cooling fan assembly
3. Space for optional drive cage
4. Infiniband cables
5. PCI Express host interface card



PE6R4 - Rear View

1. 500W Power supply (Redundant, Hot Swap supply is optional)
2. Cable connections
3. PCI card slot opening

6 Slot PCI Express® to PCI-X Expansion System

Model PE6R4

How to Buy:

All Magma products can be purchased factory direct or through a reseller. A list of resellers is available at www.magma.com.

Model Names:

PE6R4: 6 slot PCI Express to PCI with 500W PS
 PE6RR: 6 slot PCI Express to PCI with Redundant 400W PS
 SUBCBL3IF: 3-meter cable option

RDRIVECAGE: Drive cage with fan
 RCHD7: PCI card hold down kit
 RSLIDES-X: Chassis Trak® rack slides with extender bracket (18", 24", 26" or 28" lengths)

Specifications:

Backplane
 6 PCI-X slots (66MHz)
 PCI Local Bus Specification: Revision 2.3
 PCI Bridge Architecture Specification: Revision 1.2

Cable
 Pair of 1-meter Infiniband cables
 Optional 3-meter length

Interconnect Bandwidth
 512 MB/sec (Theoretical Max. of PCI 64/66)

Enclosure
 4U Black Rack-mount
 19"W x 7"H x 17.7"D
 Removable/cleanable air filter
 24 lbs or 11.804 kg

System Cooling
 One large 82.5 CFM backplane fan
 One fan in power supply

Host Connection
 PCI Express Interface card (x4) for standard height or low-profile slots
 Dimensions (H x L) 2.7 x 3.2 in (69 x 81 mm)
 PCI Express Bus Specification: Revision 1.0a

Host Card Power Consumption
 0.15A @ +3.3V maximum

Rack Installation
 Optional Chassis Trak® rackside kit
 Optional PCI card hold down kit

Hard-Drive Support
 Optional Drive Cage

Chassis Power Supply
 500W Power Supply (standard)
 AC Input: 90-264 VAC
 Input Frequency: 47-63HZ
 Input Current: 9.0A Max
 DC Output: 500Watts Max
 +12V 35.0A maximum
 - 12V 0.8A maximum
 +5V 24.0A maximum
 +3.3V 24.0A maximum
 +5VSB 2.5A maximum
 OV Protection: +3.3V, +5V, +12V
 OC Protection: 135%

400W Redundant Hot-Swap Power Supply
 Optional *Contact Magma for specifications*

Environmental
 Ambient Temperature: 0° to 50° C,
 Storage Temperature: -20° to 60° C,
 Relative Humidity: 5% to 85%,
 non-condensing

MTBF
 53,000 hours

Regulatory Compliance
 FCC Class A Verified
 CE Certified
 UL/CUL Listed

Supported Operating Systems
 Windows Vista/XP/2000/Server 2003
 Mac OS 10.4+
 Linux Kernel 2.6x+

Warranty
 30 day money back guarantee
 1 year return to factory

Magma
 9918 Via Pasar, San Diego
 California 92126
 Toll Free: 1.800.285.8990
 Telephone: 1.858.530.2511
 Fax: 1.858.530.2733
 E-mail: sales@magma.com

A Service Disabled Veteran Owned Small Business
 ISO9001:2000 Certified

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 * Licensed

70-02360-30-C



Enjoy the benefit of a PCI Express computer while protecting your investment in PCI hardware

- Add six PCI slots through one PCI Express slot
- Supports PCI and PCI-X cards
- Includes PCI Express host card and high-speed shielded cables
- Easy installation, no software required

The Magma PCI Express-to-PCI Expansion System provides a simple, cost-effective solution for expanding the capability of your PCI Express based computer. As computer manufacturers migrate to PCI Express, the number of available PCI slots has been reduced or completely eliminated. However, many companies have invested a substantial amount of capital on solutions built around conventional PCI and PCI-X hardware. The Magma expansion system provides a migration path to PCI Express while protecting your PCI hardware investment.

Where PCI meets PCI Express

The Magma PCI Express-to-PCI Expansion System is designed to match the through-put required by the majority of PCI cards on the market today. The expansion chassis contains six PCI-X slots which are connected to the host computer through a 4 lane (x4) PCI Express host interface card and a pair of high-performance cables.



Cost-Effective Migration and Increased I/O Capacity

The Magma PCI Expansion solution provides a cost-effective migration path to new PCI Express-based computers while maintaining a consistent PCI configuration. In addition, Magma products significantly increase Input/Output (I/O) capacity and scalability. Multiple expansion systems can be combined to

provide an almost unlimited number of PCI slots* to a single computer. This type of scalability is especially useful in industries such as telecom, data acquisition, video monitoring, server storage and manufacturing test fixtures.

*As defined by the PCI Local Bus Specification, the theoretical maximum per computer is 255 PCI buses.

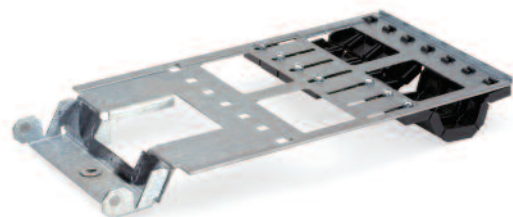
Easy Installation

The Magma 6 Slot PCI Express-to-PCI Expansion System consists of a PCI Express host card, a pair of high-speed cables and a PCI expansion chassis. The host card relays signals from the PCI Express slot inside the computer motherboard to a PCI backplane inside the expansion chassis. The system is automatically configured by the system BIOS and all six high-performance PCI slots within the expansion chassis appear transparent to the host computer.

Optional hot-swappable, redundant power supply for high availability applications.*



Optional PCI card hold down mechanism prevents cards from being dislodged during transportation



Optional 3-meter cable provides longer expansion length for large rack installations.



Optional drive cage with cooling fan holds four 3.5" internal disk drives. Maximum of two drive cages per system.



Optional Chassis Trak® rack slides allows entire chassis to be removed and replaced easily from a 4-post rack cabinet.



Benefits:

- Provides a link from PCI Express-based computers to legacy PCI hardware
- Cost effective solution for adding an unlimited number of PCI slots to PCI Express-based computers and servers
- Ideal migration path to small form factor servers, while maintaining a consistent PCI hardware configuration
- Substantially increase I/O capacity
- Supports universal and 3.3V PCI and PCI-X cards
- Multiple expansion systems can be used with a single computer

Features:

- Easy Plug and Play installation
- Visible LEDs indicate correct installation
- Includes one pair of 1-meter Infiniband cables
- 6 slot PCI-X backplane
- All slots support full-length PCI cards
- 4U, black rack-mount enclosure
- ATX form factor allows backplane to be used in different types of enclosures
- Supports spread spectrum clocking
- 500W Power Supply or 400W Hot-Swappable Redundant Power Supply
- Dedicated fan for cooling PCI cards
- Optional PCI card hold down mechanism prevents cards from being dislodged during transportation
- Optional drive cage for mounting up to eight internal drives inside chassis
- Optional Chassis Trak® rack slide kit for rack cabinet installation
- CE certified and FCC Class A verified
- 30 Day Money Back Guarantee