MAGMA™

3 Slot PCI Expansion

Model PE3R

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

- Add three PCI slots through a single PCI or PCIe slot
- Includes host interface card and shielded cable
- Easy installation, no software required

PCI➤
EXPRESS®

PCI
CONVENTIONAL™

Need to upgrade your server or desktop computer? Don't want to lose your investment in your specialized PCI cards that won't fit in your new computer? You can install practically any PCI card into the Magma PCI Expansion System and connect it through a PCI Express slot on your computer.

Prolong your investment

Magma's 3 Slot PCI Expansion System provides a simple, cost-effective solution for expanding the capability of practically any computer. Even though newer computers no longer provide legacy PCI slots, some of the most extensive and sophisticated computer installations rely on legacy technologies to operate. The Magma 3 Slot PCI Expansion System provides a safe "migration path" to PCI Express while protecting your investment in PCI cards.

Easy Installation

The expansion chassis consists of a host interface card, a cable and a chassis. The expansion chassis is automatically configured by the System BIOS making all of the slots appear transparent within the host computer.

Cost-Effective Migration and Increased I/O Capacity

Magma expansion solutions provide a cost-effective migration path to new computers while maintaining a consistent PCI configuration. In addition, Magma products significantly increase (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.

How it Works

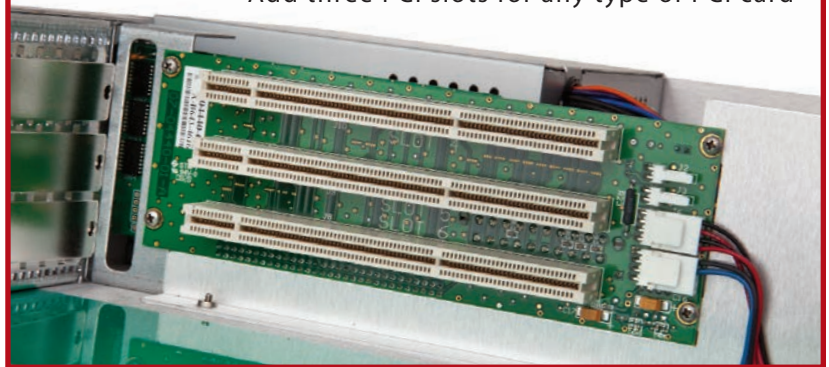**2** Install up to three full-length PCI cards in Magma chassis

1 Install Magma Host Card in Computer or Server

PCI cable

Add three PCI slots for any type of PCI card

Easy expansion solution for laptops with optional Magma ExpressCards for connection to laptops.
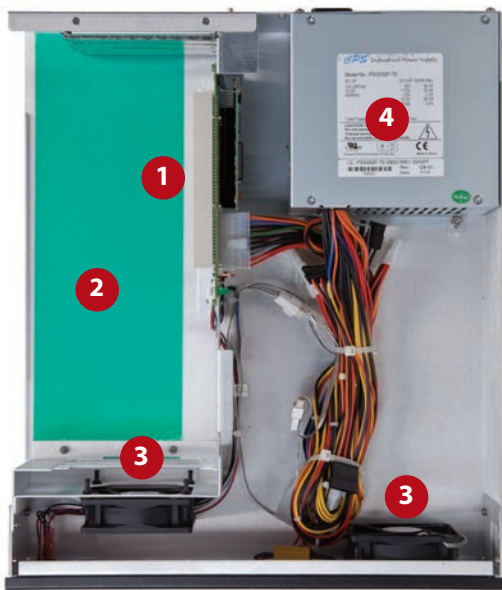
Benefits:

- Increase the number of PCI slots without replacing your computer
- Attach full-height PCI cards to computers with low-profile slots or PCI Express slots
- The only solution for adding multiple PCI cards to mobile computers

- Multiple expansion systems can be connected to a single computer
- Keep your PCI configuration consistent making computer upgrades easy
- Proven method to increase PCI capability without losing performance

Features:

- Connects to desktop and laptop computers
- 3 slot PCI 64-bit Backplane
- All slots support full-length or shorter universal and legacy 5 volt only PCI cards (optional 3.3V only available)
- Quiet cooling for hot PCI cards
- All slots support full length (12.283") or shorter PCI cards
- Versatile black enclosure can be rack-mounted or stacked on a tabletop under your computer or monitor

- Only 2U when rack-mounted and brackets are included
- Non-enclosed board sets are available for OEMs and System Integrators to utilize their own enclosure
- CE certified and FCC Class A verified
- 30 Day Money Back Guarantee
- RoHS Compliant

PE3R – Top View

1. Three PCI slots
2. Insulator shield (ESD protection for PCB)
3. Cooling Fan
4. Power Supply
5. PCI cable
6. Host connection

PE3R – Rear View

7. PCI card slot opening
8. Cable connector to host computer
9. Power cord socket

How to Buy:

All Magma products can be purchased online at www.magma.com or through a reseller.

Model Names:	Options:
PE3R: 3 Slot PCI Expansion System with PCIe host card (universal slots) PE3R-3.3V: 3 Slot PCIe to PCI Expansion (with 3.3V keyed slots)	SUBPCIHIF32LP: PCI host card SUBCBHIF: CardBus (PCMCIA) SUBEC54: ExpressCard/54 module SUBEC34: ExpressCard/34 module SUBCBL1.5HF: 1.5 meter cable

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Specifications:

Backplane

3 PCI slots (64-bit/33MHz)
PCI Local Bus Specification: Revision 2.2
PCI Bridge Architecture Specification: Revision 1.2

Cable

1-meter PCI expansion cable
Optional 1.5-meter length

Interconnect Bandwidth

255 MB/sec

Enclosure

2U Rack-mount (Steel/Aluminum)
19" wide, 3.5" High, 16.4" Depth
13.1"W without rack ears mounted
9 lbs or 4.086Kg

System Cooling

Two 34CFM fans
One fan in power supply

MTBF

100,000 hours

Host Connections and Power Consumption

Universal PCI 32/33: 0.63W max; 5V @ 0.125A
Low Profile PCI (64/33): 0.86W max; 3.3V @ 0.25A
x1 PCI Express 0.69W max; 3.3V @ 0.21A
CardBus (PCMCIA) 0.42W max; 3.3V @ 0.125A
ExpressCard 0.81W max; 3.3V @ 0.21A; 1.5V @ 0.08A

Chassis Power Supply

550W Power Supply
AC Input: 100-240 VAC, 10.0 A
Input Frequency: 50-60HZ
DC Output: 550Watts Max
+12V   36.0 A maximum
- 12V   3.0A maximum
+ 5V   36.0 A maximum
+3.3V   28.0A maximum
+5Vsb   3.0A maximum
200W maximum 5V and 3.3V combined

Environmental

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

Regulatory Compliance

FCC Class A Verified
RoHS Compliant

CE

Supported Operating Systems

Windows
MacOS
Linux
Solaris

Warranty

30 day money back guarantee
1 year return to factory

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Rock Solid Innovation

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