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TECHNOLOGY GROUP

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**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
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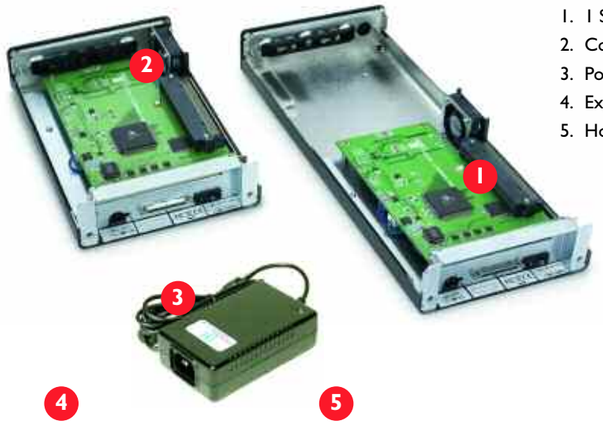
**Custom engineering**
so your equipment works exactly as you specify.

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- Leasing / Rentals / Demos
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**Expert team | Trust guarantee | 100% satisfaction**

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## 1 Slot - Top View

1. 1 Slot PCI Backplane
2. Cooling fan
3. Power Brick
4. Expansion cable
5. Host interface cards




## 1 Slot - Rear View

1. Power supply connection
2. Expansion cable connection
3. PCI card slot opening

# 1 Slot PCI Expansion System

Model CB1H
Model CB1F

## How to Buy:

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

**Model Names:**

CB1H: 1 Slot PCI Expansion System with CardBus (PCMCIA) card, half-length
CB1F: 1 Slot PCI Expansion System with CardBus (PCMCIA) card, full-length
SUBPCIHIF68: Standard PCI host card option
SUBPCIHIF64LP-CB: Low Profile PCI card option
SUBPEHIFX1-CB: x1 PCI Express® host card option
SUBEC54: ExpressCard/54 module option
SUBEC34: ExpressCard/34 module option
SUBCBL1.5HF: 1.5 meter cable option
CBLCB1XLR: power cord for DC power connection, barrel connector to male XLR-4

## Specifications:

**Backplane**
1 PCI slot (32-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**
132 MB/sec (Theoretical Max. of PCI 32/33)

**Enclosure**
Black (Steel/Aluminum)
Full-length: 5.45"W x 1.70"H x 13.43"D
2.15lbs or 0.98kg
Half-length: 5.45"W x 1.70"H x 8.02"D
1.75lbs or 0.8kg

**System Cooling**
One 4 CFM fan

**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

**Power Supply**
Power Supply: 45W power brick
DC Input 9-16Vdc 165mA Max.
DC Output 45-W Max

| | Max Amps | Max Watts |
|---|---|---|
| +3.3V | 4.54 A | 15 W |
| +5V | 3.0 A | 15 W |
| +12V | 0.625 A | 7.5 W |
| -12V | 0.625 A | 7.5 W |

*Combined wattage of all voltage rails should not exceed 45 watts.

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

**MTBF**
25,000 hours

**Regulatory Compliance**
FCC Class A Verified
CE Certified

**Supported Operating Systems**
Windows Vista/XP/2000/Server 2003
Mac OS X
Linux Kernal 2.6x+
Solaris (PCI and PCI Express only)

**Warranty**
30 day money back guarantee
1 year return to factory

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## Add a PCI slot in a separate enclosure

- Compatible with practically any computer ranging from laptop to desktop computers
- Attach standard size PCI card to computers with low-profile PCI slots, or only PCI Express slots
- Attach standard size PCI card to laptops through PCMCIA or ExpressCard
- Support for any 12" or shorter PCI and PCI-X card

## Want to take it with you?

Are you married to your desktop, but don't want to be? Is your power-hungry, heat-generating "desktop-only" PCI card stopping you from going mobile? Can't get the special functionality you need in a laptop? If your answer is "YES," the Magma 1 Slot PCI Expansion System is your solution. Now you can add the power and flexibility of a "desktop-only" PCI card to your laptop by putting it into the Magma 1 Slot PCI Expansion System and simply plugging it into your laptop. Since it can operate on both AC and DC power, the Magma 1 Slot PCI Expansion System can be a as portable as your laptop.



## Prolong your investment

Need to upgrade your server or desktop computer? New computer doesn't have any PCI slots? Don't want to lose your investment in pricey PCI cards that don't fit the new computer? Does your PCI card use too much power? Does it run too hot? You can install practically any PCI card into the Magma PCI Expansion System and connect it to your new or old computer.

The Magma 1 Slot PCI Expansion System allows you to plug-in a full-sized power-demanding, heat-generating PCI card into either a half-length or full-length chassis. It's the most portable method for taking the PCI bus outside the computer. How else can you add so much power to a small form-factor desktop, or your brand-new laptop?

## Save time, money and trouble

Use your high-end PCI card wherever you are – without the expense of a "buying duplicate card" or "packing it along in your briefcase" to install in another computer upon arrive. Simply add your PCI card to the Magma expansion chassis and then connect the chassis to any host computer (laptop or desktop) using one of a variety of Magma host cards. Yes, even your laptop!

Host cards are available for the following systems: (1) Laptop: CardBus or ExpressCard and (2) Desktop/Server: 32 or 64-Bit PCI, or x1 PCI Express.

The use of computer specific host cards makes using your unique PCI card as simple as "Plug & Play" because all you need to do is to connect the Magma PCI Expansion System to the host card for your computer and turn it on. Use the same PCI card on your laptop as you do on your desktop or server – just add a Magma host card and connect the cable.

For users who require true "go-anywhere" portability, the 1 Slot is made to be powered off any user supplied 12-volt DC power source that has a female XLR connector. (Optional cables, allowing use of 12-Volt battery or auto adapter, are available for purchase from Magma.) The 1 Slot is shipped with a 45W AC power brick for use with AC power.

## Familiarity breeds success

Setting up your PCI card in a portable chassis provides you an opportunity to use a consistent hardware configuration – regardless of what type of computer is available. Being able to "hit the ground running" is vital to every successful venture. Being able to use "the same PCI card," regardless of location also reduces project risks.

Common applications benefiting from Magma's PCI Expansion Systems include: Medical Imaging, Camera Interface, Video Processing, Military, Aerospace, Industrial Automation/Control, Test & Measurement, Audio Editing, Video Effects, and Video Capture.

## Multiple host interface cards provide easy connection to practically any computer

Desktop and Server Connections (PCI and PCI Express®)



Laptop Connections (CardBus and ExpressCard)





## Benefits:

- The only solution for adding a single PCI card to a desktop/server using a PCI Express slot
- The only solution for adding a PCI card to a laptop computer
- Offers a consistent PCI configuration allowing easy host computer upgrades
- Patented technology provides low latency and high through-put
- Proven method to increase PCI capability without losing performance
- Non-enclosed board-sets are available for OEMs and System Integrators to utilize their own enclosure

## Features:

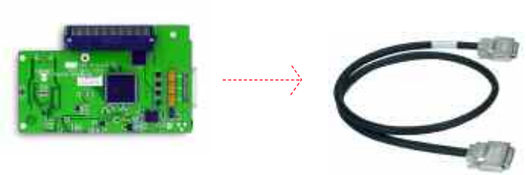
- Easy Plug and Play installation
- PCI and PCI Express® host card provides easy connection to desktop computers and servers
- CardBus and ExpressCard modules provide connection to your favorite laptop computer
- Includes 1-meter expansion cable
- 1 slot PCI backplane
- Dedicated cooling and power for PCI cards
- Supports full-length or half-length universal and legacy 5 volt only PCI cards
- Half-length enclosure (Model CB1H) supports cards that are 6.945" or shorter and weighs only 1.75 pounds
- Full-length enclosure (Model CB1F) supports cards that are 12.74" or shorter and weighs only 2.15 pounds

Optional barrel plug to male XLR-4 connector



## Non-Enclosed Board Sets for OEMs

Backplane and Integrated Expansion Interface



Host Connections



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## Gold-standard solutions

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## We buy equipment

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