



# 2 Slot PCI Expansion System

Model CB264



## Add two PCI slots and two drive bays in a separate enclosure

- Compatible with practically any computer ranging from laptop to desktop computers
- Attach standard size PCI cards to computers with low-profile slots
- Attach multiple PCI cards to laptops through PCMCIA or ExpressCard
- Each slot supports any 12" or shorter PCI and PCI-X card

## Put a desktop inside your laptop

Laptop can't keep up? Can't get the special functionality you need in a laptop? Laptop need a portable RAID system? If you answer "YES" to any of these questions, the Magma 2 Slot PCI Expansion System is your answer. Now you can add the power and flexibility of "desktop-only" PCI cards to your laptop by putting them into the Magma 2 Slot PCI Expansion System and simply plugging it into your laptop. Since it can operate on both AC and DC power, the Magma 2 Slot PCI Expansion System can be as portable as your laptop.

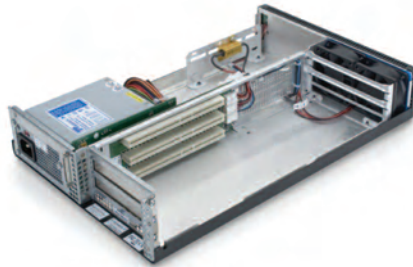
## Prolong your investment

Need to upgrade your server or desktop computer? Don't want to lose your investment in pricey PCI cards that don't fit the new computer? You can install practically any PCI card into the Magma PCI Expansion System and connect it to your new or old computer. Because the enclosure's footprint is similar to many laptops, it can be conveniently placed under the laptop to save space when working in a limited area.

The Magma 2 Slot PCI Expansion System allows you to plug-in up to two (2) full-sized power-demanding PCI cards and up to two (2) 3.5" hard drives in the chassis. 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 cards and vital data wherever you are – without the expense of "buying duplicate cards" or "packing them along in your briefcase" to install in another computer upon arrive. Simply add your PCI cards, and possibly a hard drive or two, 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 cards and vital data 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 cards on your laptop as you do on your desktop or server – just add a Magma host card and connect the cable. The auto-switching power supply even allows you to work internationally by simply adding a power cord plug adapter. AC and DC-ready models are available to meet virtually any mobile professional's needs. A 90 Watt AC power supply is standard and a DC power supply is available for use with any 12-volt DC power source, such as a battery or auto adapter.

## Familiarity breeds success

Setting up your PCI cards and data in one 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 cards," 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:

- Increase number of PCI slots without replacing your computer
- Attach full-height PCI cards to computers with low-profile slots
- The only solution for adding multiple PCI cards to mobile computers
- Multiple expansion systems can be connected to a single 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:

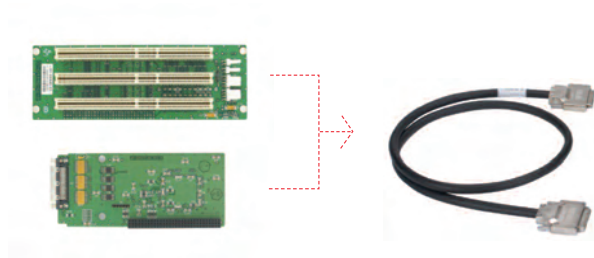
- Easy Plug and Play installation
- PCI and PCI Express® host card provides easy connection to desktop computers and servers
- CardBus and ExpressCard modules provide connection to your favorite laptop computer
- Includes 1-meter expansion cable
- 2 slot PCI backplane
- All slots support full-length or shorter PCI cards
- Backplanes are available for 5 volt only and universal or 3.3 volt only cards
- Easily place laptop on top of 15" table-top enclosure
- Drive bays for two 3.5" hard disk drives
- Dedicated cooling and power for PCI cards
- Includes a third, fully functioning non-standard PCI slot

Optional DC converter with AC-DC power brick



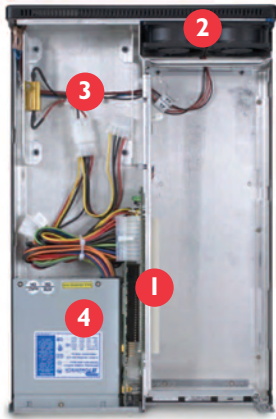
## Non-Enclosed Board Sets for OEMs

Backplane and Expansion Interface



Host Connections





## 2 Slot - Top View

1. 2 slot PCI backplane
2. Cooling fan
3. Drive bay
4. Power supply
5. Expansion cable
6. Host interface cards



## 2 Slot - Rear View

1. 90W power supply
2. Expansion cable connection
3. PCI card slot openings



## How to Buy:

All MAGMA products can be purchased online at [www.magma.com](http://www.magma.com) or through a reseller.

### Model Names:

CB264: 2 Slot PCI Expansion System with CardBus (PCMCIA) card (universal slots)  
 CB264-3.3: 2 Slot PCI Expansion System with CardBus (PCMCIA) card (3.3 volt only slots)  
 SUBPCIHIF68: Standard PCI host card option  
 SUBPCIHIF64LP: Low Profile PCI card option  
 SUBPEHIFX1: x1 PCI Express® host card option

SUBEC54: ExpressCard/54 module option  
 SUBEC34: ExpressCard/34 module option  
 SUBCBL1.5HF: 1.5 meter cable option  
 SUB100WDC: 100W DC-DC converter with AC-DC power brick option

## Specifications:

<b>Backplane</b> 2 PCI slots (32-bit/33MHz) PCI Local Bus Specification: Revision 2.2 PCI Bridge Architecture Specification: Revision 1.2	<b>Hard Drive Support</b> Drive bays for two 3.5" internal drives	<b>Regulatory Compliance</b> FCC Class A Verified CE Certified
<b>Cable</b> 1-meter PCI expansion cable Optional 1.5-meter length	<b>Chassis Power Supply</b> Power Supply: 90-Watts AC Input: AC Active PFC 90 – 132VAC 180-265VAC Input Frequency: 50 – 60 Hz Input Current: 4A for 115VAC 2.0A for 230VAC	<b>Supported Operating Systems</b> Windows XP/2000/Server 2003 Mac OS X Linux Kernel 2.6x+ Solaris (PCI and PCI Express only)
<b>Interconnect Bandwidth</b> 132 MB/sec (Theoretical Max. of PCI 32/33)	DC Output: 70-W Max +3.3V: 8.0A* +5V: 12.0A maximum* +12V: 19.0A maximum -12V: 0.2A maximum +5Vsb: 0.72 maximum <small>*Combined wattage rating of +3.3V and +5.0V should not exceed 70 watts.</small>	
<b>Enclosure</b> Black (Steel/Aluminum) 10"W x 2.570"H x 15.144"D (Aluminum/Steel), 5.3lbs or 2.40 kg	<b>Environmental</b> Ambient Temperature: 0° to 50° C, Storage Temperature: -20° to 60° Relative Humidity: 5% to 85%, non-condensing	
<b>System Cooling</b> Two 13.2 CFM fans One fan in power supply	<b>MTBF</b> 25,000 hours	
<b>Host Connections and Power Consumption</b> 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		