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TECHNOLOGY GROUP

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with experienced engineers and technicians on staff.

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along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *One Stop Systems / MAGMA 01-04611-00* at our website: ***Click HERE***

Datasheet

7 Slot PCI Expansion System

Model P7R4
Model P7RR
Model P7R464
Model P7RR64



Add seven PCI slots and seven drive bays in a separate enclosure

- Compatible with practically any computer ranging from desktop/server computers to laptops
- Move full-sized power-hungry or high-heat-generating cards outside your host computer
- 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, 5 volt PCI, universal PCI and PCI-X cards
- Rack mountable, 4U chassis

Prolong your investment

Need to upgrade your server or desktop computer? Got a small footprint computer and full-sized PCI cards? Don't want to lose your investment in pricey PCI cards that don't fit the new computer? Simply need more PCI slots or storage space? Are your full-sized, power-hungry, high-heat-generating PCI cards dragging your computer down? You can install practically any PCI card into the Magma PCI Expansion System and connect it to your new or old server or desktop computer through a variety of Magma host cards. The Magma 7 Slot PCI Expansion System is a 4U, rack mountable chassis that allows you to plug-in up to seven (7) full-sized power-demanding PCI cards and up to seven (7) 3.5" hard drives.



Increase I/O Capability

There are numerous performance and functionality hungry professionals that simply need more PCI slots than a typical computer provides. Even with the introduction of more robust desktop computers and servers, increased I/O capability is still required. If you have a powerful application that requires the use of several PCI cards, increase the number of PCI slots in your system with a Magma PCI Expansion System.

Flexible System

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 CardBus or ExpressCard and connect the cable. The auto-switching power supply even allows you to work internationally by simply adding a power cord plug adapter.

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.

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.

Multiple host interface cards provide easy connection to practically any computer

Desktop and Server Connections (PCI and PCI Express®)



Laptop Connections (CardBus and ExpressCard)





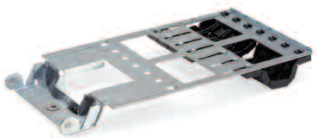


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Optional hot-swappable, redundant power supply for high availability applications.



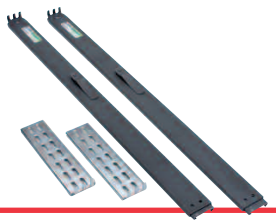
Optional PCI card hold down mechanism prevents cards from being dislodged during transportation



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:

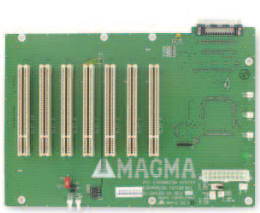
- Increase number of PCI slots without replacing your computer
- Attach full-height PCI cards to computers with low-profile slots
- The only solution for adding multiple PCI cards to mobile computers
- Multiple expansion systems can be connected to a single computer
- Offers a consistent PCI configuration 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
- 7 slot PCI backplane (32-bit or 64-bit)
- All slots support full-length or shorter universal and legacy 5 volt only PCI cards
- Auto-Switching 400W or 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

Non-Enclosed Board Sets for OEMs

ATX Backplane

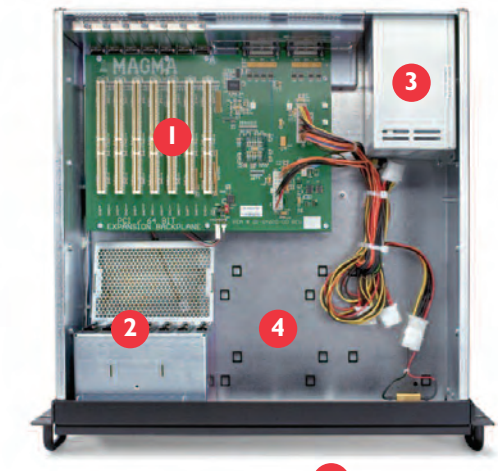




Host Connections

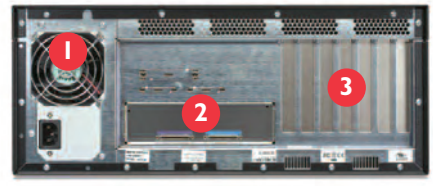


Datasheet



7 Slot - Top View

1. Seven slot PCI backplane (64-bit shown)
2. Cooling fan assembly
3. Power supply
4. Space for optional drive bays
5. Expansion cable
6. Host interface cards



7 Slot - Rear View

1. 400W power supply (Optional redundant power not shown)
2. Cable connections (one for 32-bit, two for 64-bit)
3. PCI card slot openings



How to Buy:

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

Model Names:

P7R4: 7 Slot 32/33 Rack-mount enclosure with 400W PS
P7RR: 7 Slot 32/33 Rack-mount enclosure with 400W Redundant PS
P7R464: 7 Slot 64/33 Rack-mount enclosure with 400W PS
P7RR64: 7 Slot 64/33 Rack-mount enclosure with 400W Redundant PS
SUBPCIHIF32LP: Low Profile PCI host card option
SUBPEHIFX1: x1 PCI Express® host card option
SUBCBHIF: CardBus (PCMCIA) card option

SUBEC54: ExpressCard/54 module option
SUBEC34: ExpresssCard/34 module option
SUBCBL1.5HF: 1.5 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", 28" lengths)

Specifications:

Backplane
7 PCI slots (32-bit/33Mhz or 64-bit/33MHz)
PCI Local Bus Specification: Revision 2.3
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) or 264MB/sec (Theoretical Max. of PCI 64/33)

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 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

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

Hard-Drive Support
Optional Drive Cage

Chassis Power Supply

400W	AC Active PFC
AC Input	90 - 264VAC
Input Frequency	47 - 63 Hz.
Input Current	~10A/5A
DC Output	400W Max
+5V	40.0A maximum
-5V	0.5A maximum
+12V	15.0A maximum
-12V	1.0A maximum
+3.3V	30.0A maximum
+5Vsb	2.0 maximum

220W maximum of +5V and +3.3V combined

400W Redundant, Hot-Swap
Contact Mobility for specifications

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

MTBF
53,000 hours

Regulatory Compliance
FCC Class A Verified
CE Certified

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

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