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TECHNOLOGY GROUP

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Full-service, independent repair center
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We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

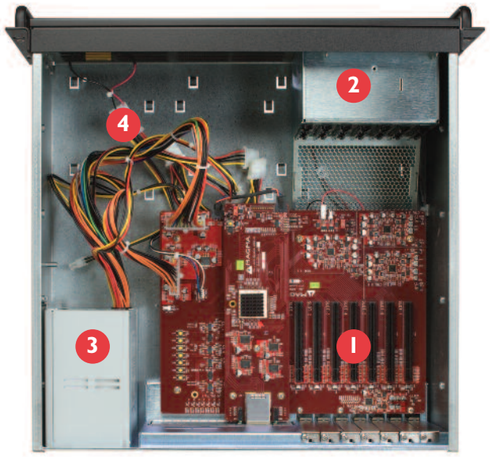
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so your equipment works exactly as you specify.

- Critical and expedited services
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Expert team | Trust guarantee | 100% satisfaction

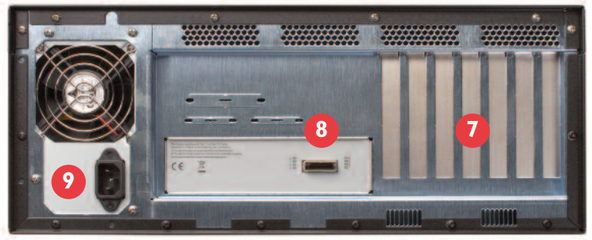
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ExpressBox^7 – Top View

1. Seven PCI Express slots
2. Backplane cooling fan assembly with slot holders for full-length cards
3. 500W, 90-264V/9.0A, 47-63HZ Power Supply
4. Space for 1 optional drive cage-mount up to four 3.5" internal hard drives



ExpressBox^7 – Rear View

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

Hardware Included

5. iPass cable
6. PCI Express host card





How to Buy:

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

Model Names:

EB7: 7 Slot PCI Express Expansion System, 4U form factor
RDRIVECAGE: Drive cage with fan
RCHD7: PCIe card hold down kit
RSLIDES: Chassis Trak® rack slides with extender bracket (18", 24", 26"or 28" lengths)

Options:

SUB400WRR: Redundant Power Supply
SUBCBL3IP: 3 meter cable option
SUBCBL7IP: 7 meter cable option

Specifications:

Backplane

(7) PCI Express slots
x16 connectors, x4 slot speeds
Hot-pluggable slots

Cable

1-meter iPass
Optional 3 or 7 meter length

Interconnect Bandwidth

1GBytes/sec simplex
2GBytes/sec full duplex

Enclosure

4U Rack-mount
19" wide, 7" High, 17.7" Depth
Removable/cleanable air filter
24 lbs or 11.840Kg

System Cooling

One 82.5CFM Backplane Fan
One Power Supply Fan

Hard Drive Support

Optional Drive Cage

Host Connections and Power Consumption

x8 PCI Express connector, x4 slot speeds
1.2A @ +3.3V maximum
Low profile
PCI Express Bus Specification Revision 1.1

Rack Installation

Optional Chassis Trak® rack slide kit
Optional PCI Express card hold down kit

Chassis Power Supply

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

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/CIL Listed

Supported Operating Systems

Windows XP/Vista 2000 Server 2003
MacOS X 10.4+
Linux Kernel 2.6x+
Solaris

Warranty

30 day money back guarantee
1 year return to factory

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www.magma.com

Magma
9918 Via Pasar, San Diego
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MAGMA

ExpressBox^7

7 Slot PCI Express® Expansion System

Model EB7



Seamlessly expand your server or workstations with PCI Express slots

- Add seven PCI Express slots through a single slot
- Includes hot-swappable PCI Express slots
- Supports all PCI Express form factors

PCI EXPRESS®

The Magma PCI Express to PCI Express Expansion system provides a simple, cost-effective solution for expanding the available PCI Express slots of workstations and servers. This allows for significant cost savings to companies since it eliminates the need to invest in new computer hardware to be able to accommodate the growing need of I/O expandability.



Cost-effective Solution for Expanding I/O capacity

Magma ExpressBox[7] provides a cost-effective path to expand the available number of PCI Express slots while maintaining consistent server or workstation configuration. The product provides increased I/O capacity and scalability.

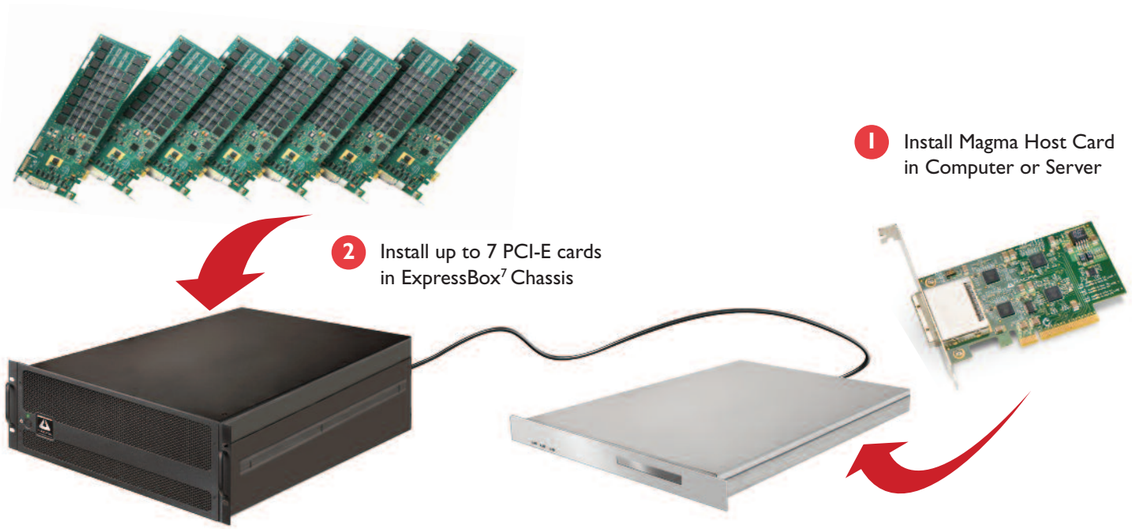
Easy Installation

Magma ExpressBox[7] consists of a PCI Express Host Card, a cable and a chassis. Magma ExpressBox[7] is automatically configured by the System BIOS making all of the slots appear transparent to the host computer.

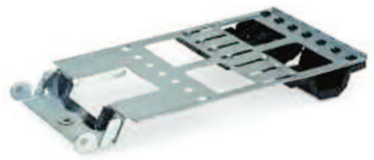
Optimal method to enhancing your PCI Express I/O capabilities

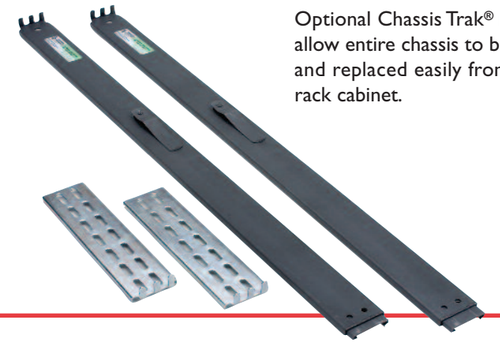
ExpressBox[7] is an expansion solution that provides 7 full-length PCI Express slots. This is a standalone chassis in an industry standard enclosure with its own power supply. The PCI Express slots are hot-swappable. The chassis allows the flexibility to expand the I/O capabilities of a server or workstation seamlessly capitalizing on the transparency of PCI Express architecture.

How it Works



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



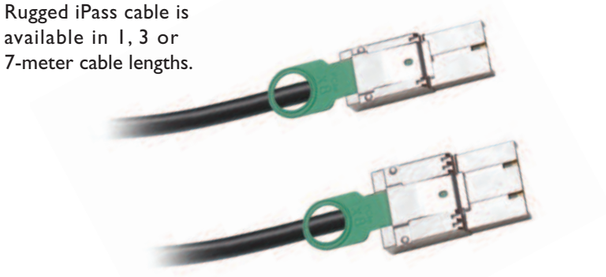


Optional Chassis Trak® rack slides allow entire chassis to be removed and replaced easily from a 4-post rack cabinet.

Link lights on the EB7 back panel verify the uplink between the expansion chassis and host machine, and assure each PCI Express card is connected properly.



Rugged iPass cable is available in 1, 3 or 7-meter cable lengths.



Benefits:

- Industrial solution for adding up to 7 PCI Express cards to one computer
- Attach full-length PCI Express cards to computer with limited card space
- Individual PCI Express slots can be turned off without powering down entire system
- Low profile host card allows for easy installation in low profile computers
- Supports peer to peer transfers between cards in slots of the expansion chassis
- Optional redundant power supplies share load during normal operation and in the event of a failure of one the other assumes full load sounding an audible alarm on correcting the fault

Features:

- Easy “Plug and Play” installation
- Easily visible LEDs indicate correct installation
- Includes x8 PCI Express host card and 1 meter iPass cable
- All slots support any combination of x1, x4, x8 and x16 PCI Express cards
- All slots support full-length cards
- 4U rack-mount enclosure
- Transparent extension of PCI Express signals outside the computer
- 500W Power Supply or 400W Hot-Swappable Redundant Power Supply
- Dedicated fan for cooling hot cards
- Thermister controlled fan speeds help reduce unnecessary noise
- CE certified and FCC Class A verified
- RoHS compliant
- 30 day money back guarantee

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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