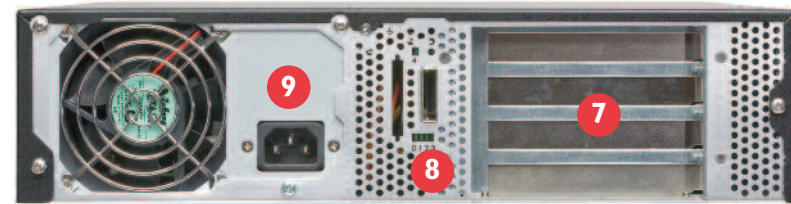## ExpressBox⁴ – Top View

1. Four 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
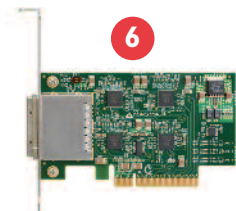4. Space for up to four 3.5" internal hard drives

Hardware Included

5. iPass cable
6. PCI Express host card

ExpressBox⁴ – Rear View

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

ExpressBox⁴

4 Slot PCI Express® Expansion System

http://www.ndttech.net/cn/product/pci_expansion/EB4.html

Model EB4

How to Buy:

All Magma products can be purchased online at www.ndttech.net or call us at 0731-84668116

Model Names:

EB4:   4 Slot PCI Express Expansion System, 2U form factor
SUBEX34:   ExpressCard/34 and 3-meter cable
SUBCBL3IP: 3 meter cable option

Specifications:

Backplane

(4) PCI Express slots
x16 connectors, x4 slot speeds

Cable

1-meter iPass
Optional 3 meter length

Interconnect Bandwidth

1GBytes/sec simplex
2GBytes/sec full duplex

Enclosure

2U Rack-mount
19" wide, 3.5" High, 17.7" Depth
Removable/cleanable air filter
15 lbs or 6.82Kg

System Cooling

One 31.4CFM Backplane Fan
One Power Supply Fan

Hard Drive Support

Drive brackets for 4 hard drives

Host Connections and Power Consumption

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

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
OV Protection: +3.3V, +5V, +12V
OC Protection: 135%

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
3 year return to factory

Seamlessly expand your server or workstations with PCI Express slots

- Add 4 PCI Express slots through a single slot
- Supports all PCI Express form factors

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 provides an efficient way to maximize your workstation or server's total I/O capability and limit the number of CPUs required in your system.

Cost-effective Solution for Expanding I/O capacity

Magma ExpressBox[4] 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.
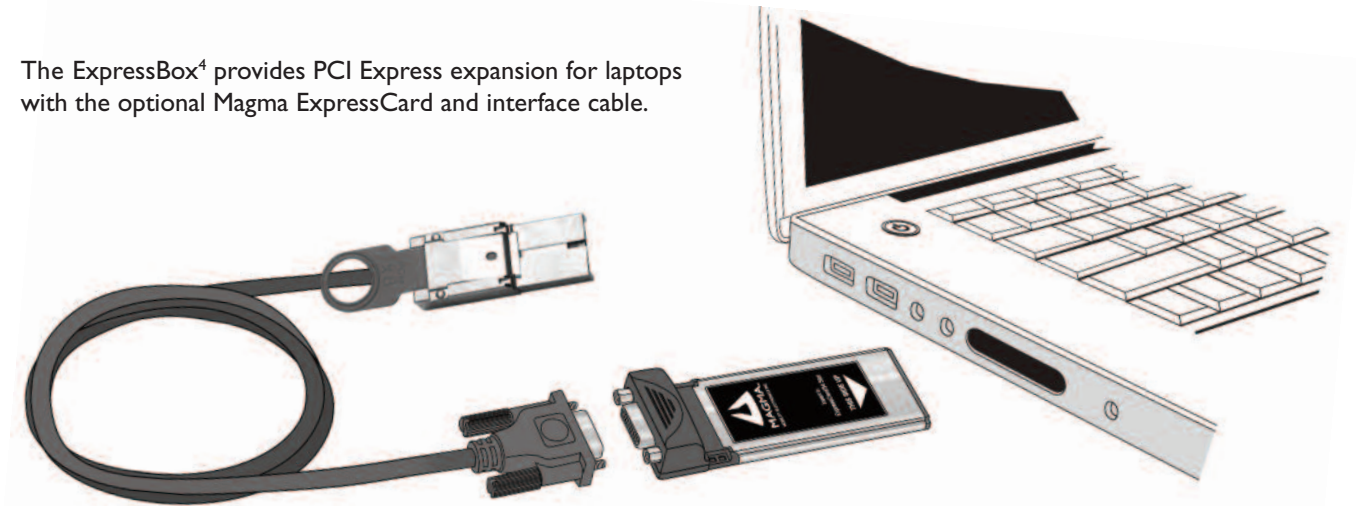
Easy Installation

Magma ExpressBox[4] consists of a PCI Express Host Card, a cable and a chassis. Magma ExpressBox[4] is automatically configured by the System BIOS making all of the slots appear transparent to the host computer.
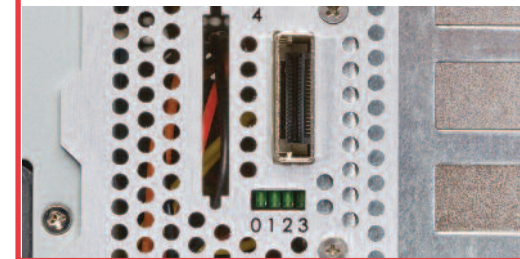
Optimal method to enhancing your PCI Express I/O capabilities

ExpressBox[4] is an expansion solution that provides 4 full-length PCI Express slots. This is a standalone chassis in an industry standard enclosure with its own power supply. 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.
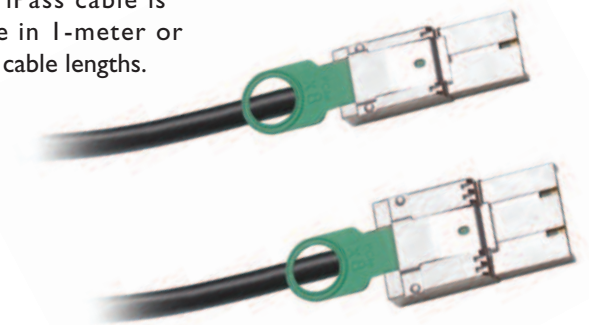
The ExpressBox[4] provides PCI Express expansion for laptops with the optional Magma ExpressCard and interface cable.
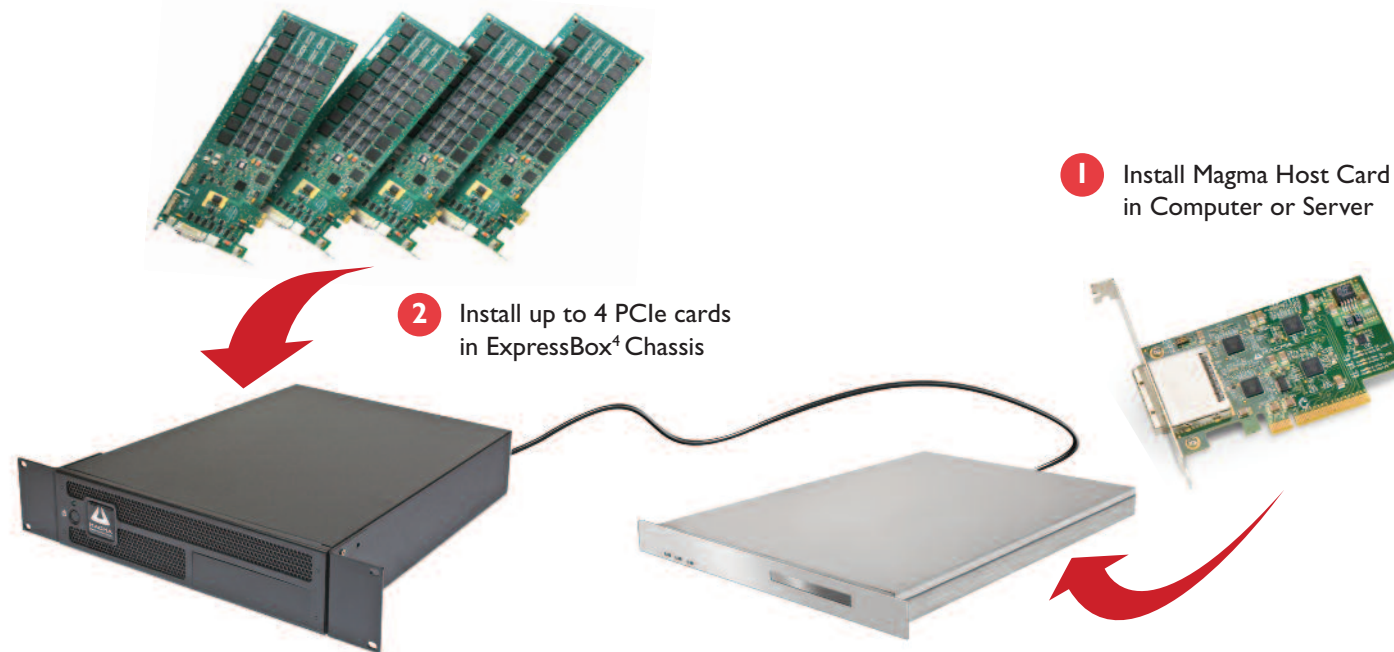
Link lights on the EB4 back panel verify the uplink between the expansion chassis and host machine, and assure each PCI Express card is connected properly.

0 1 2 3

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

How it Works

1 Install Magma Host Card in Computer or Server

2 Install up to 4 PCIe cards in ExpressBox[4] Chassis

Benefits:

- Industrial solution for adding up to 4 PCI Express cards to one computer
- Attach full-length PCI Express cards to computer with limited card space
- 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

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
- Transparent extension of PCI Express signals outside the computer
- All slots support full-length cards
- 2U rack-mount enclosure
- 500W 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