



ExpressBox⁴

4 Slot PCI Express[®] Expansion System

Model EB4



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 ExpressBox⁴ 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

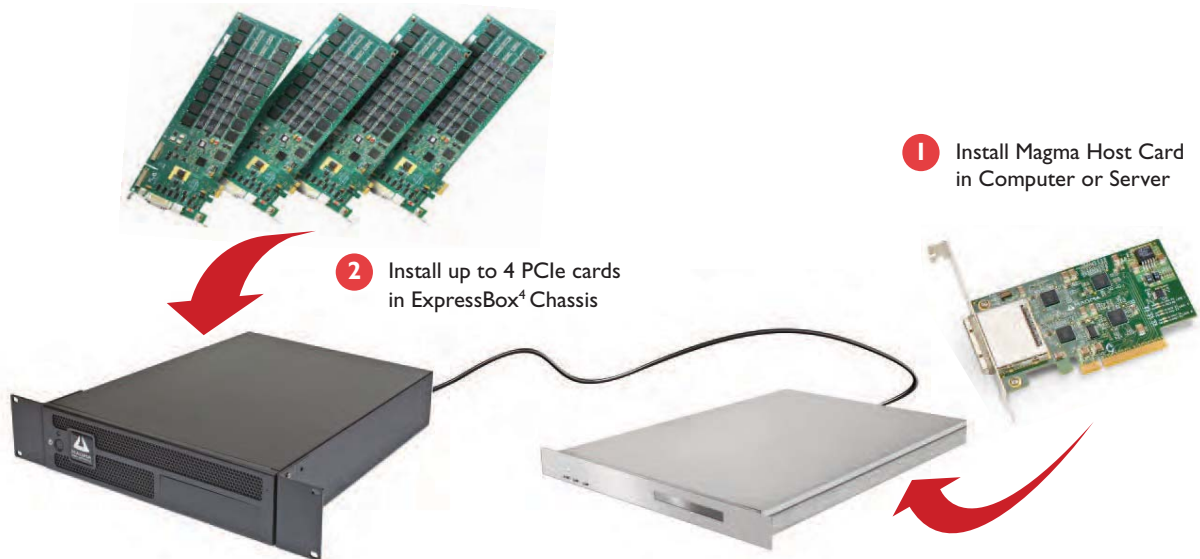
Magma ExpressBox⁴ consists of a PCI Express Host Card, a cable and a chassis. Magma ExpressBox⁴ is automatically configured by the System BIOS making all of the slots appear transparent to the host computer.

Optimal method to enhancing your PCI Express I/O capabilities

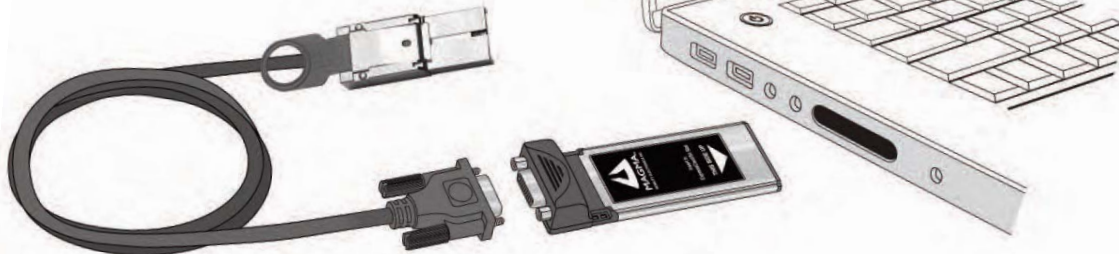
ExpressBox⁴ is an expansion solution that provides 4 full-length PCI Express slots. This is a standalone chassis in an industry standard enclosure with its own power supply. The chassis allows the flexibility to expand the I/O capabilities of a server or workstation seamlessly capitalizing on the transparency of PCI Express architecture.



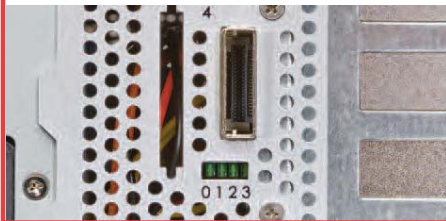
How it Works



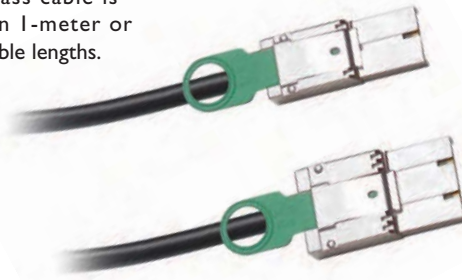
The ExpressBox⁴ provides PCI Express expansion for laptops with the optional Magma ExpressCard and interface cable.



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.



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

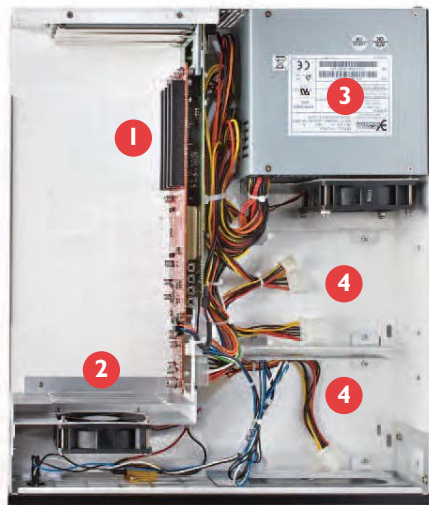


Benefits:

- 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

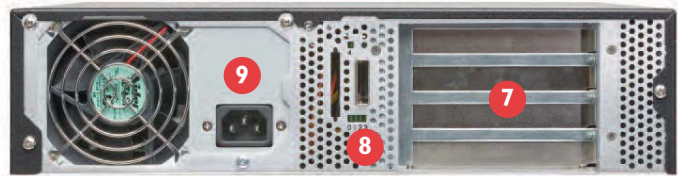
Features:

- 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
- 420W 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



ExpressBox⁴ – Top View

1. Four PCI Express slots
2. Backplane cooling fan assembly with slot holders for full-length cards
3. 420W, 115-230V/6.3A, 50-60HZ Power Supply
4. Space for up to four 3.5" internal hard drives

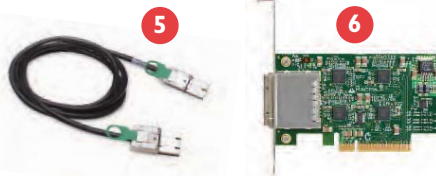


ExpressBox⁴ – Rear View

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

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	Host Connections and Power Consumption	Regulatory Compliance
(4) PCI Express slots x16 connectors, x4 slot speeds	x8 PCI Express connector; x8 slot speeds 1.2A @ +3.3V maximum Low profile PCI Express Bus Specification Revision 1.1	FCC Class A Verified CE Certified UL/CIL Listed
Cable	Chassis Power Supply	Supported Operating Systems
1-meter iPass Optional 3 meter length	AC Input: 115-230 VAC Input Frequency: 50-60HZ Input Current: 6.3A Max DC Output: 420Watts Max +12Vdc 15.0A maximum -12Vdc 1.0A maximum +5Vdc 40.0A maximum +5Vdc (sb) 2.0A maximum -5Vdc 0.5A maximum +3.3Vdc 30.0A maximum 6 x 4 pin Molex Connectors	Windows XP/Vista 2000 Server 2003 MacOS X 10.4+ Linux Kernel 2.6x+ Solaris
Interconnect Bandwidth	Environmental	
1GBytes/sec simplex 2GBytes/sec full duplex	Ambient Temperature 0° to 50° C Storage Temperature -20° to 60° C Relative Humidity: 5% to 85% non-condensing	
Enclosure	MTBF	
2U Rack-mount 19" wide, 3.5" High, 17.7" Depth Removable/cleanable air filter 15 lbs or 6.82Kg	53,000 Hours	
System Cooling		
One 31.4CFM Backplane Fan One Power Supply Fan		
Hard Drive Support		
Drive brackets for 4 hard drives		