



ExpressBox¹ & ExpressBox¹ Pro

Cabled PCI Express for Desktops and Laptops

PCI Express Outside the Box

Magma ExpressBox¹ is an easy-to-use external expansion device for attaching a PCI Express® card to a laptop or desktop computer.

In a mobile environment, **ExpressBox¹** allows a user to combine the power of a desktop and the mobility of a laptop into a powerful, flexible, mobile workstation. For example, a user can turn a typical, middle-of-the-road laptop into a powerful gaming computer, a scientific computer, or an audio/video editing workstation simply by adding the right PCI Express card to **ExpressBox¹** and then connecting it to a laptop through an ExpressCard/34 module and cable.

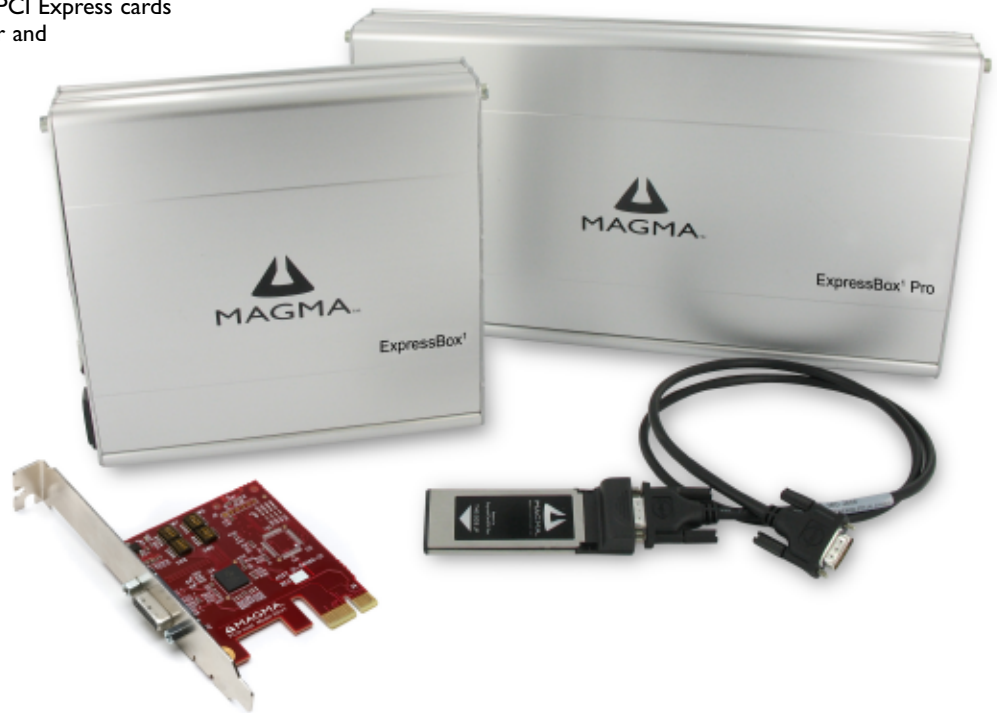
In the desktop computers and servers, **ExpressBox¹** allows a user to move full-length, heat-generating, or power hungry PCI Express cards outside the computer by providing dedicated power and cooling in an external enclosure. **ExpressBox¹** is ideal for attaching full-length PCI Express cards to low-profile computers that have limited space. The connection to the host computer is through a PCIe host card and cable.

Magma ExpressBox¹ offers support for full size PCI Express cards or shorter, with a power requirement of 55 watts or less. **ExpressBox¹** also provides temperature controlled cooling and dedicated power to ensure the PCI Express card runs at maximum efficiency. Each system can

accommodate up to a x16 (16 lane) PCI Express card and connects to the computer laptop through the ExpressCard slot.

ExpressBox¹ (Model EB1H) is designed for half-length (6.604" or shorter) PCI Express cards and weighs only 2.8 pounds. **ExpressBox¹ Pro** (Model EB1F) is designed for three-quarter and full-length PCI Express cards (12.283" or shorter) and weighs only 4.3 pounds.

Just about any type of PCI Express card can be used in **ExpressBox¹** ranging from audio processing, video capture, graphics, test and measurement, data-acquisition, SCSI, FibreChannel, SATA and more.



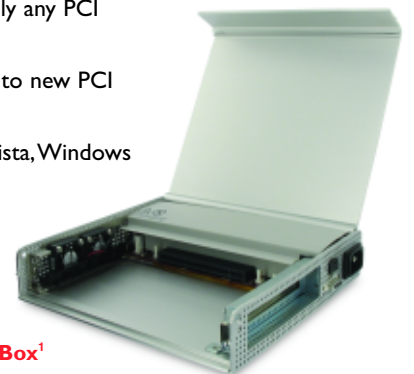
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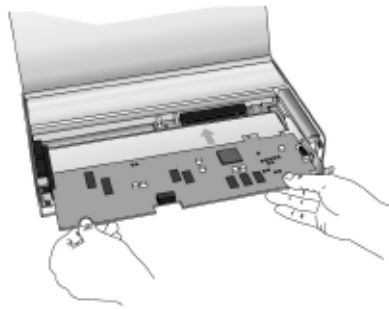


Features and Benefits:

- Light-weight and easy method for attaching full-size or half-size PCI Express cards to a laptop or desktop
- No latency solution providing 2000mbps (250MB/sec) throughput
- Supports Spread Spectrum Clocking (SSC)
- Supports PCI Express cards that require up to 55 watts of continuous power
- Provides a x16 physical connection
- Unique "flip open" lid provides quick access to PCI Express card installed inside enclosure
- Universal internal power supply eliminates need to carry external power brick
- Temperature controlled cooling keeps HOT card cool while keeping fan noise to a minimum
- 55 watts of dedicated power for PCI Express devices outside the computer
- Rubber feet protects the product from scratches when used on a tabletop
- A vertical stand provides for space-saving storage
- A 1U, half-rack width rack-mount bracket for easy mounting in a standard rack for users who are serious about their mobile-offices
- Compatible with practically any PCI Express card
- Allows for easy upgrades to new PCI Express hardware
- Supported by Windows Vista, Windows XP and MacOS X
- OEM and Reseller programs available
- ROHS Compliant

Inside of ExpressBox¹

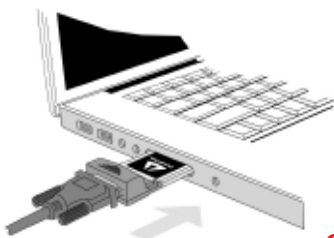




Insert your favorite PCI Express Card

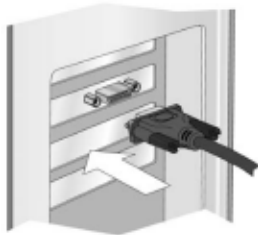


Connect Cables



Connect to Laptop

or



Connect to Desktop

Specifications:

- Backplane: One PCI Express slot (x16 PCI Express connector)
- PCI Express Specification: Revision 1.1
- Cable: 1 meter cable is standard
1/2 meter or 3 meter cable are optional
PCI Express External Cabling Specification: Revision 0.5
- Interconnect Bandwidth: 2000Mbps 250MB/sec (full x1 PCIe speed with no latency)

Enclosure

Half-length Enclosure

- Material: Metallic Aluminum and Plastic
- Dimensions: 7.71" x 1.73" x 8.04"
- Weight: 2.8 lbs or 1.27 kg
- Max Card Length: 6.604"
- Cooling: Three 2.5CFM fans, temperature controlled



Full-length Enclosure

- Material: Metallic Aluminum and Plastic
- Dimensions: 7.71" x 1.73" x 13.72"
- Weight: 4.3 lbs or 1.95 kg
- Max Card Length: 12.283"
- Cooling: Three 2.5CFM fans, temperature controlled



Host Connection and Power Consumption

- ExpressCard/34 module or Low Profile x1 PCIe card (with standard & half-height bracket)
- Power Consumption: 0.43W max, 3.3V @ 0.13A

Rack Installation

- Includes strong rack-mount face plate
- 1U, half-rack width



Power Supply

- 60W
 - Input Voltage: 90 – 264 VAC
 - Input Frequency: 47 – 63 Hz
 - Inrush Current: less than 30A @ 115VAC
less than 60A @ 230VAC
 - DC Output: 60W Max 12V/5.0A
- Add-in PCI Express card should not exceed 55 watts*

Environmental

- 0° to 50° C Operating Temperature, -20° to 60° C Storage Temperature, 5% to 85% Relative Humidity, Non-condensing

MTBF

- 25,000 hours

Regulatory Compliance

- FCC Class B Verified
- CE Certified
- TÜV NTRL Approved

Supported Operating Systems

- Windows XP/Vista
- Mac OS X

Warranty

- 30 day money back guarantee
- 1 year return to factory

How to Buy:

Magma products can be purchased online at www.magma.com.

Model	Description
EB1H	ExpressBox ¹ , with PCI Express host card, half-length
EB1F	ExpressBox ¹ Pro, with ExpressCard host card, full-length
EB1F+SUBEEEX1	ExpressBox ¹ , with PCI Express host card, half-length
EB1F+SUBEEEX1	ExpressBox ¹ Pro, with ExpressCard host card, full-length
SUBCBL0.5TDP	Substitution: 1/2 meter cable option
SUBCBL3TDP	Substitution: 3 meter cable option
EX34	Spare Magma ExpressCard/34 module
EEX1	Spare Magma x1 PCI Express host card
CBL1TDP	Spare 1 meter cable
CBL3TDP	Spare 3 meter cable
CBL0.5TDP	Spare 1.5 meter cable

Package Contents:

- ExpressCard or PCIe host card
- PCI Express cable
- Magma ExpressBox¹ enclosure
- Stand for vertical orientation
- Face-plate for rack installation
- Universal power cord (UPC)
- Quick Installation Guide
- Noise Reducing Thermister