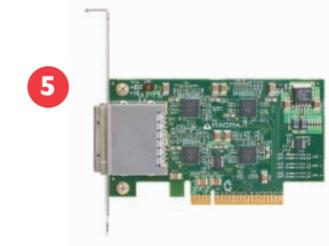


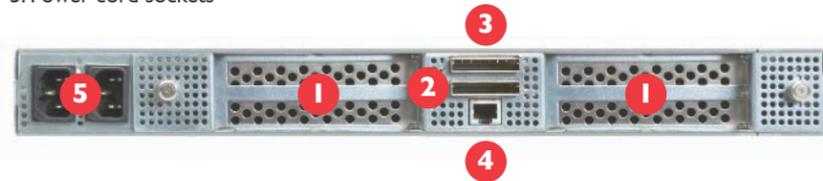
ExpressBox⁴-IU – Top View

1. Four PCI Express slots
2. Three cooling fans
3. Redundant power supply
4. iPass cable
5. PCI Express host card



ExpressBox⁴-IU – Rear View

1. PCI Express slots
2. iPass connector to host computer
3. iPass connector to downstream expansion chassis
4. RJ45 Ethernet connection for SNMP
5. Power cord sockets



ExpressBox⁴ IU

4 Slot PCI Express[®] Expansion System

Model EB4-IU

How to Buy:

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

Model Names:

EB4-IU: 4 Slot PCI Express Expansion System, IU form factor
EB4-IU-EXT: Additional expansion system for daisy-chaining

SUBCBL3IP: 3 meter cable option
SUBCBL7IP: 7 meter cable option
XX-XXXX-XX: Replacement redundant power supply module
XX-XXXX-XX: Replacement fan module

Specifications:

Backplane	Rack Installation	Regulatory Compliance
(4) PCI Express slots, expandable to 8, 12 or more x16 connectors, x4 slot speed Hot-pluggable slots PCI Express Specification: 1.1	Built-in Rack Slides	FCC Class B Verified CE Certified
Cable	Chassis Power Supply	Supported Operating Systems
1-meter iPass Optional 3 or 7 meter length	250W Redundant, Hot-Swappable AC Input 90 to 264 VAC Input Frequency 47 to 63 Hz Input Current 5 A max DC Output 250W Max +5V 25A maximum -5V 0.5A maximum +12V 14A maximum -12V 2A maximum +3.3V 22A maximum +5Vsb 2 maximum 130W maximum of +5V and +3.3V combined	Windows Enterprise Server 2000 Mac OS X Server
Interconnect Bandwidth	Environmental	Warranty
200MB/sec or 2GB/sec or 2Gbps	Ambient Temperature: 0° to 70° C, Storage Temperature: -55° to 125° C Relative Humidity: 0% to 90%, non-condensing	30 day money back guarantee 1 year return to factory
Enclosure	MTBF	
IU Rack-mount 19"W x 1.75"H x 28"D 27 lbs or 12.27 Kgs	9.2M hours	
System Cooling		
Three hot-swappable fans One fan included in each power supply module		
Host Connections and Power Consumption		
x8 PCI Express 1.2A @ +3.3V maximum		



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70-02360-34-X2



PCI
EXPRESS[®]

Increase server I/O capacity and monitor critical components

- Add four PCI Express slots through a single slot
- Includes redundant power supply and hot-swappable fans
- Supports all PCI Express form factors
- Multiple systems can be daisy-chained to provide eight or more slots
- Designed for Reliability, Availability, and Serviceability
- Compatible with the Simple Network Management Protocol (SNMP)

Magma ExpressBox⁴ IU is a reliable PCI Express expansion system designed for industrial environments where serviceability and availability features are required. ExpressBox4 provides a scalable method to increase the I/O capability of your server.

Cost-Effective Migration and Increased I/O Capacity

Magma ExpressBox4 provides a cost-effective path to expand your available number of PCI Express slots while maintaining a consistent server configuration. Magma products provide increased I/O capacity and scalability

because multiple expansion systems can be combined to provide an almost unlimited number of PCI Express slots to a single computer.

Maximize Rack Space, Minimize Power Use

ExpressBox⁴ is the only expansion solution that provides four full-length PCI Express slots in 1U rack-mount form factor. The enclosure includes a hot-swappable redundant power supply and hot-swappable cooling fans. The PCI Express slots are hot-swappable allowing you to replace a defective card without shutting down the system. ExpressBox4 monitors temperature and power and provides alerts via SNMP and audible alarm.

Moving your PCI Express devices outside the host computer allows



server manufacturers to reduce the amount of power required. Magma ExpressBox⁴ is designed to fit conveniently into typical 4-post rack cabinet. Card retainers inside the enclosure keep your cards securely in place during transportation.

Ideal for Adding Compute Blade

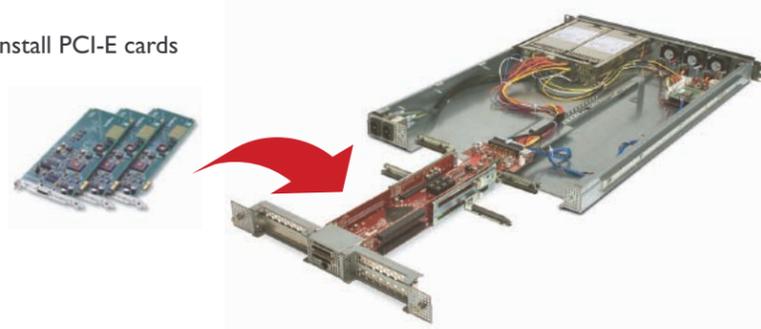
Retrofit your cabinet by capitalizing on your ability to enhance and augment your Blade Server with the addition of one or more Compute Blade with ExpressBox4 and the inherent transparency of PCI Express architecture. The ExpressBox4 forms an ideal expansion attachment with attributes of its self-contained hot-swappable redundant power supply, cooling fans and up to 4 PCI Express slots.

Easy Installation

Magma ExpressBox⁴ consists of a PCI Express host card, a cable and rack-mount enclosure. Magma ExpressBox4 is automatically configured by the system BIOS and all slots appear transparent to the host computer.

How it Works

1 Install PCI-E cards



2 Connect Cable to Magma Host Card



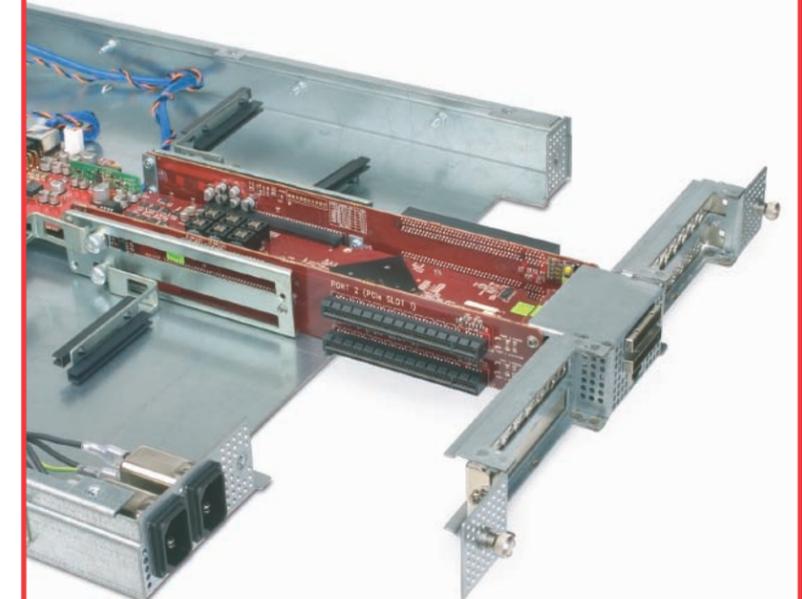
3 Insert Magma Host Card in Computer or Server



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



Superior serviceability features eliminate downtime. Replace defective components or cards without system interruption.



Hot-swappable, high-volume cooling fans keep cards cool. Fan performance is monitored and failures are reported.



Benefits:

- Industrial solution for adding unlimited number of PCI Express cards to one computer.
- Attach full-length PCI Express cards to computers with limited card space.
- Individual PCI Express slots can be turned off without powering down entire system
- Power supply, fans and temperature constantly monitored for failure status.
- Multiple expansion chassis can be daisy-chained without using an additional slot.
- Enables migration path to new servers while maintaining consistent PCI Express configuration

Features:

- Plug and Play installation. Expansion system is automatically configured by the system BIOS.
- Includes x8 PCI Express host card and 1 meter iPass cable
- High powered, hot-swappable cooling fans keep hot cards cool
- 4 slots supports x1, x4, x8 and x16 PCI Express cards
- Removable backplane carriage provides access to cards without removing enclosure from cabinet.
- All slots support full-length cards.
- Easily visible LEDs indicate correct installation.
- 1U, rack-mount enclosures with built-in slide rails
- Transparent extension of PCI Express signals outside the computer.
- Card retainer holds cards in place during transportation.
- CE certified and FCC Class A verified
- RoHS Compliant