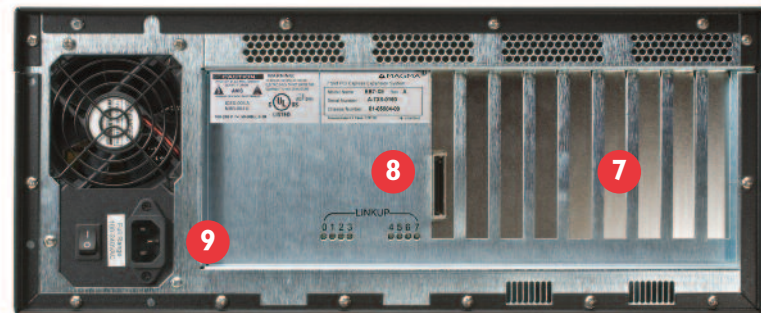


EB7-x8G2 – Top View

1. Seven PCI Express slots
2. Backplane cooling fan assembly with slot holders for full-length cards
3. 400W, 90-264V/6.3A, 47-63HZ Power Supply
4. Space for 1 optional drive cage-mount up to four 3.5" internal hard drives

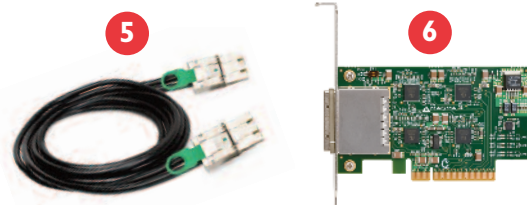


EB7-x8G2 – Rear View

5. iPass cable
6. PCI Express Host Card
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



ExpressBox Universal (EBU)

8 Slot PCI Express® Expansion I/O Chassis

Model EB7-x8G2

How to Buy:

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

Model Names:

EB7-x8G2: 7 Slot PCI Express Expansion System, 4U form factor
Includes:
01-04978-03 PCI Express x8 Host Card
SUBCBL3IP: 3 meter iPass cable

Options:

SUB400WRR: Redundant Power Supply
RDRIVECAGE: Drive cage with fan
RCHD7: PCIe card hold down kit
RSLIDES: Chassis Trak® rack slides (18", 26" or 28" lengths)

Specifications:

Backplane (8) PCI Express slots (7) User slots, (1) Host Interface Card x16 connectors, x8 slot speeds Hot-pluggable slots	Host Connections and Power Consumption x8 PCI Express connector, x8 slot speeds 1.25A @ +3.3V maximum Low profile PCI Express Bus Specification Revision 2.0	Regulatory Compliance FCC Class A Verified RoHS Compliant
Cable 3-meter iPass	Rack Installation Optional Chassis Trak® rack slide kit Optional PCI Express card hold down kit	Supported Operating Systems Windows 7/XP/Vista 2000 Server 2008 MacOS X 10.4+ Linux Kernel 2.6x+ Solaris
Interconnect Bandwidth 4GBytes/sec simplex 8GBytes/sec full duplex	Chassis Power Supply AC Input: 90-264 VAC Input Frequency: 47-63HZ Input Current: 6.3A Max DC Output: 400Watts Max +12V 22.0A maximum - 12V 0.8A maximum +5V 8.0A maximum +3.3V 28.0A maximum	Warranty 30 day money back guarantee 1 year return to factory
Enclosure 4U Rack-mount 19" wide, 7" High, 17.7" Depth Removable/cleanable air filter 24 lbs or 11.840Kg	Environmental Ambient Temperature 0° to 50° C Storage Temperature -20° to 60° C Relative Humidity: 5% to 85% non-condensing	 Magma 9918 Via Pasar, San Diego California 92126 Toll Free: 1.800.285.8990 Telephone: 1.858.530.2511 Fax: 1.858.530.2733 E-mail: sales@magma.com A Service Disabled Veteran Owned Small Business ISO 9001:2008 Certified <small>© 2007 Magma. Magma is a trademark of Mission Technology Group, Inc. All other brand names and logos are trademarks or registered trademarks of their respective owners. United States and foreign patents pending. Specifications are subject to change without notice.</small>
System Cooling One 69.15 CFM Backplane Fan One Power Supply Fan	MTBF 100,000 Hours	<small>70-02360-46-A</small>
Hard Drive Support Optional Drive Cage		



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
- Easily transform product function from expansion to stand-alone workstation/server



The EB7-x8G2 product is a member of the family of new generation of Magma Expansion products that falls under the umbrella of the EBU product offering. The EBU (ExpressBox Universal) addresses a host of applications and thus its name Universal. It is a platform that goes beyond the traditional Expansion Chassis applications.

Modular Solution for expanding I/O capacity while designing out obsolescence

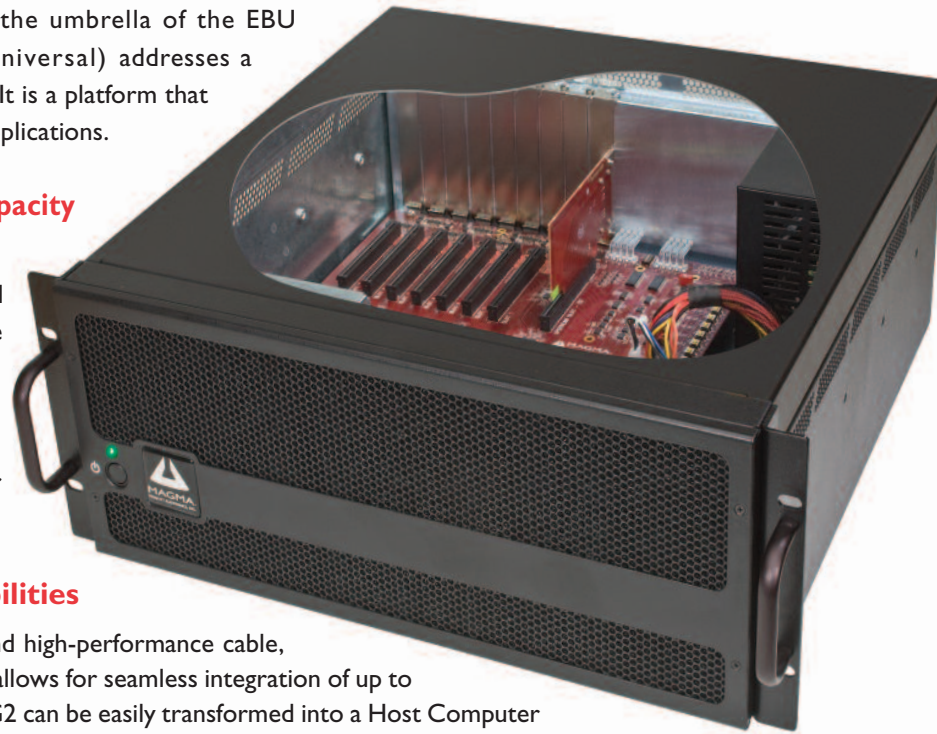
The EB7-x8G2 is built with modularity and scalability in mind. It has an Expansion Interface Card installed in one PCIe chassis slot that provides x8 Lanes of PCI Express connection to the Host. The Expansion Interface Card can be replaced with an optical card that allows for connection with Host over Fiber.

Seamless expansion of System capabilities

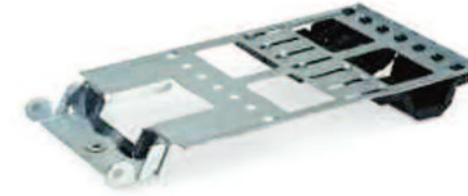
The EB7-x8G2, with its companion Host Card and high-performance cable, extends the PCI Express bus out of the Host and allows for seamless integration of up to 7 PCI Express I/O cards per chassis. The EB7-x8G2 can be easily transformed into a Host Computer with 8 slots when a Root Complex card is installed in place of the Expansion Interface card in the chassis.

Optimal method to enhance PCI Express capabilities and maximize Server performance

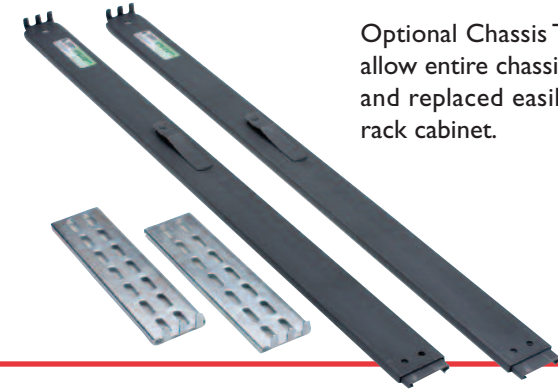
The EB7-x8G2 has 7 full-length PCI Express slots capable of supporting multiple high bandwidth devices such as 10-Gb Ethernet and 10-Gb Fiber Channel. Run multiple graphics cards for optimum GPU computing. This chassis is also ideal for Audio and Video devices that require low latency. The uplink to the Host computer is x8 PCI Express Gen 2 which allows for multiple PCI Express devices in the chassis to maximize throughput of up to 8 GBytes per second. Enable your server for high performance computing and maximize I/O without adding extra computers to your network.



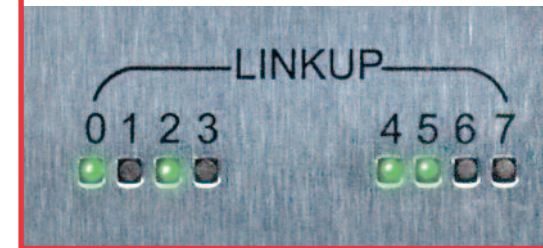
Optional PCI card hold down mechanism prevents cards from being dislodged during transportation.



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



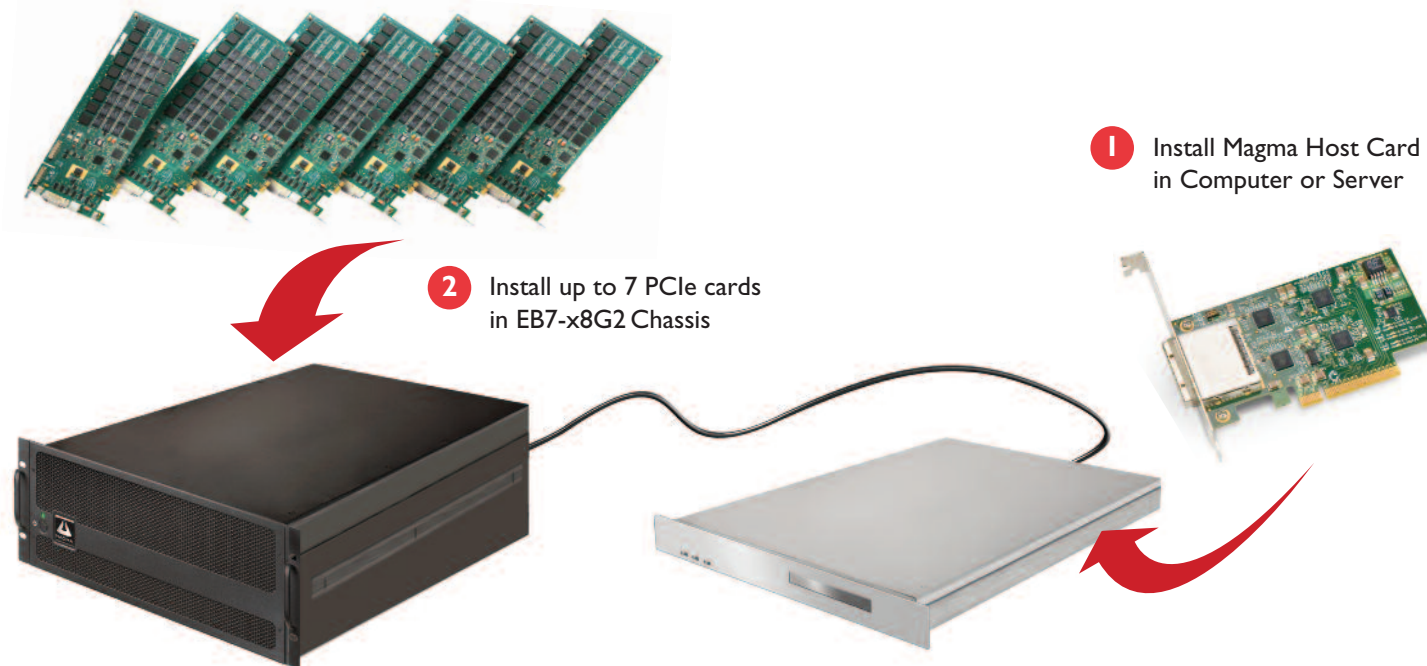
Link lights on the EB7-x8G2 back panel verify the uplink between the expansion chassis and Host machine, and assure each PCI Express card is connected properly.



Rugged 3 meter iPass cable



How it Works



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
- Supports Hot Swappable PCI Express slot
- 7 built-in auxiliary power connection to PCI Express cards
- Supports automatic power up control of the chassis by the Host
- Supports user selectable bypass of Hot swappable feature

Features:

- Easy "Plug and Play" installation
- Easily visible LEDs indicate correct installation
- Includes x8 PCI Express Host card and 3 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
- Daisy chain multiple chassis or fan out chassis from host using available PCI Express slots
- 4U rack-mount enclosure
- All slots support full-length cards
- 400W Hot-Swappable Redundant Power Supply
- Optional 550 watt Power Supply available
- 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