

ExpressBox 7 - x8G2

7 Slot PCI Express® Expansion System



Seamlessly expand servers and workstations with PCI Express slots

- Add (7) PCI Express slots through a single host slot
- Use any combination of x1, x4, x8, and x16 PCIe cards
- Hot-Pluggable PCIe Slots
- Supports speeds up to 40Gbps
- Board-sets available for OEMs

PCI 
EXPRESS®

Magma PCI Express Expansion System are an easy solution for expanding the available PCI Express slots of workstations and servers. This allows for significant cost savings to companies since it eliminates the need to invest in new computer hardware to be able to accommodate the growing need of I/O expandability.

Expand I/O capacity

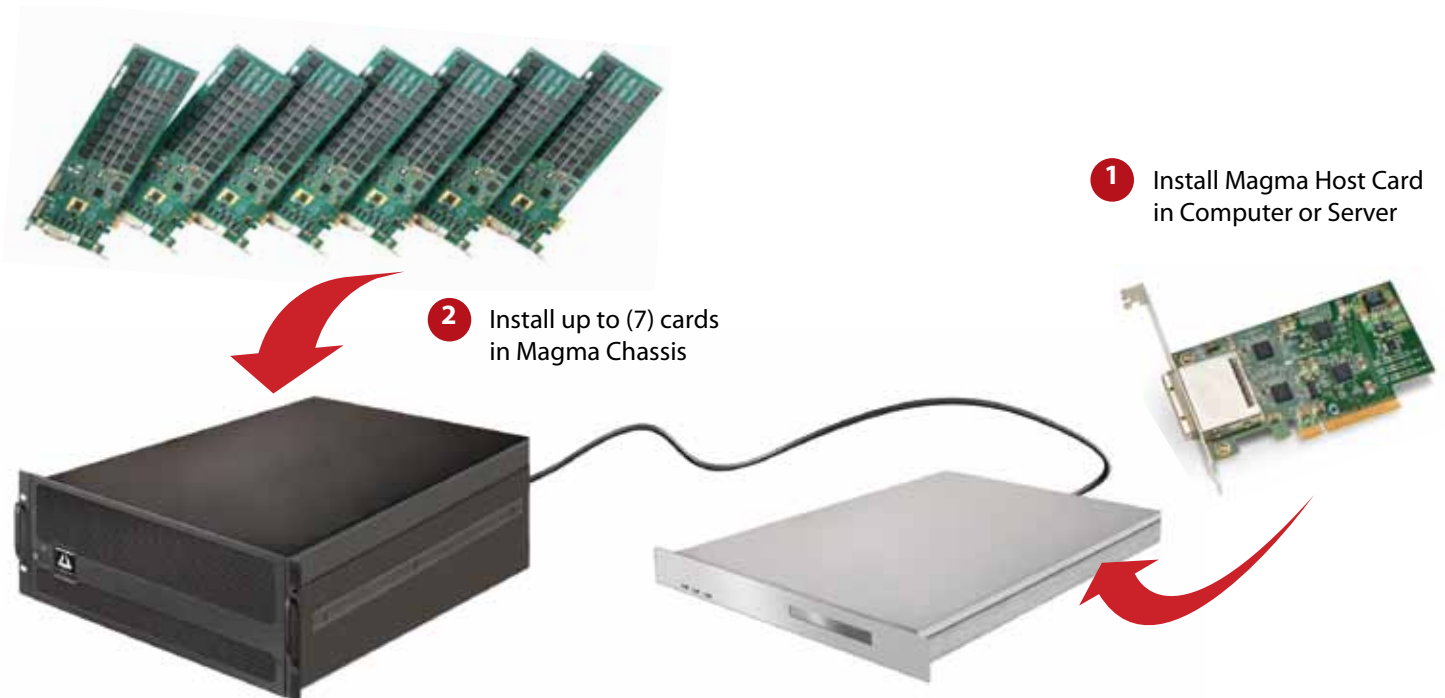
Magma ExpressBox 7 - x8 Gen 2 provides a cost-effective path to expand the available number of PCI Express slots while maintaining consistent server or workstation configuration. The product provides increased I/O capacity and scalability.

Easy Installation

ExpressBox 7 - x8 Gen 2 provides 7 full-length PCI Express slots in a stand-alone chassis with its own power supply. The PCI Express slots are hot-swappable. 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.



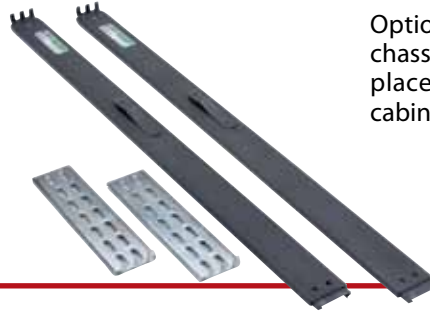
How it Works



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



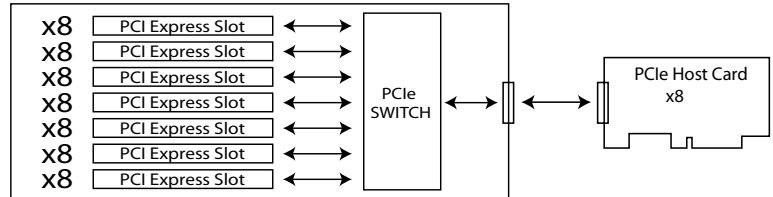
Optional rack slides allow entire chassis to be removed and re-placed easily from a 4-post rack cabinet.



Optional drive cage with cooling fan holds four 3.5" internal disk drives.



Link lights on the back panel verify the up-link between the expansion chassis and host computer to assure each card is connected properly.



Board sets includes host card, cable and backplane for OEMs and system Integrators who wish to use their own enclosure.



Benefits:

- Transparent extension of PCI Express signals outside the computer
- Industry standard 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 the expansion chassis to provide full bandwidth potential among I/O cards
- Supports daisy chain or fan out configuration of multiple expansion chassis

Features:

- Easy "Plug and Play" installation
- Easily visible LEDs indicate correct installation
- High-speed x8 PCI Express connection
- 4U rack-mount enclosure
- Two thermistor controlled CFM fans reduce unnecessary noise. Higher CFM fans available for hot environments
- All slots support full-length cards
- 550W power supply with (7) auxiliary power connectors for cards that require more than 75 watts
- Automatic power-up control by computer
- Hot swappable slots can be easily disabled by dip-switch



EB7-X8G2 – Top View

1. Seven PCI Express slots
2. Backplane cooling fan assembly with slot holders for full-length cards
3. Power Supply

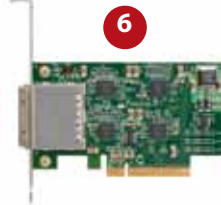


EB7-X8G2 – Rear View

7. PCI Express card slot opening
8. Expansion interface card
9. Power cord socket

Hardware Included




5. iPass cable
6. PCI Express Host Card



Configurations:

<p>Magma products can be purchased online at www.magma.com or through a reseller.</p>	<p>Model Names:</p> <p>EB7-X8G2: ExpressBox 7 - x8G2 Seven x8 PCIe slots with 550W power supply</p>	<p>Options:</p> <p>RDRIVECAGE: Drive cage with fan RCHD7: Card hold down kit RSLIDES: Rack slides (18", 26" or 28" lengths) SUBFAN-HICFM: 115 CFM cooling fans for extra hot cards</p>
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Specifications:

Technology	System Cooling	Regulatory Compliance
PCI Express Bus Specification Revision 2.0 PCI Local Bus Specification Revision 2.3 PCI Bridge Architecture Revision 1.2 PCI Hot-Plug Specification 1.1	Two 69 CFM Fans One Power Supply Fan Upgrade to 115 CFM fan with SUBFAN-HICFM	FCC Class A Verified CE Certified UL/CIL Listed I.T.E. (E211209) RoHS Compliant 
Backplane	Optional Chassis Features	Supported Operating Systems
8 PCIe slots, 1 dedicated for expansion interface x8 PCIe Gen 2 slot speeds (x16 connectors) Hot-Pluggable slots	Rack slide kit Card hold down bar Drive cages for up to (4) HDDs	Windows MacOS Linux Solaris
Host Card	Power Supply	Warranty
Low profile - x8 PCIe 1.25A @ +3.3V maximum	550W Power Supply AC Input: 100-240 VAC, 50-60HZ +12V 36.0 A maximum - 12V 3.0A maximum + 5V 36.0 A maximum +3.3V 28.0A maximum +5Vsb 3.0A maximum	Money back guarantee 1 year return to factory
Cable	Environmental	<div data-bbox="1055 1701 1250 1848">  <p>MAGMA™ Rock Solid Innovation</p> </div> <div data-bbox="1282 1701 1510 1848"> <p>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</p> </div> <div data-bbox="1071 1869 1234 1900"> <p>www.magma.com</p> </div> <div data-bbox="1364 1869 1510 1900">  </div> <p>©2012 Magma. Magma is a trademark of Mission Technology Group, Inc. All trademarks are the property of the respective trademark owners.</p> <p>Specifications are subject to change without notice.</p>
Interconnect Bandwidth	MTBF	
40Gbps (PCIe x8 Gen 2)	Ambient Temperature 0° to 50° C Storage Temperature -20° to 60° C Relative Humidity: 5% to 85% non-condensing 100,000 Hours	
Enclosure		
4U Rack-mount 19" Wide x 7" High x 17.7" Deep Removable/cleanable air filter 24 lbs or 11.840Kg		