BRESSNER
A ONE STOP SYSTEMS COMPANY

MAGMA ExpressBox 16 Smart

Benefits:

Mission critical solution for adding (16) PCI Express slots to one or more computers

Provides ability to partition PCIe slots among up to four servers

Offers flexibility in configuration and allocation of scarce or expensive I/O resources

Keep the PCIe I/O configuration consistent from server to server

- Protect investment of expensive I/O cards during server migrations and upgrades
- Express I/O Manager provides an enhancement to existing SNMP protocol
- Notifications of failures by SNMP trap, audible alarm, and email
- Minimize downtime by servicing problems immediately
- Reduce power and space requirements

Features:

- Low profile PCIe host card can be installed in any server
- High-speed x8 or x16 interconnection
- Automatic power-up control by computer
- 4U rack-mount enclosure with superior EMI control, vibration, shock and moisture resistance
- All slots support full-length cards and card hold down bar keeps PCIe cards secure
- LEDs on backplane indicate active link, speed (Gen 1 or Gen 2), partial or complete lane training
- Supports peer-to-peer transfers between cards in the expansion chassis to provide full-bandwidth potential among I/O cards
- Four hot-swappable cooling fans
- Multiple power supply options with auxiliary power connectors to support high-wattage cards

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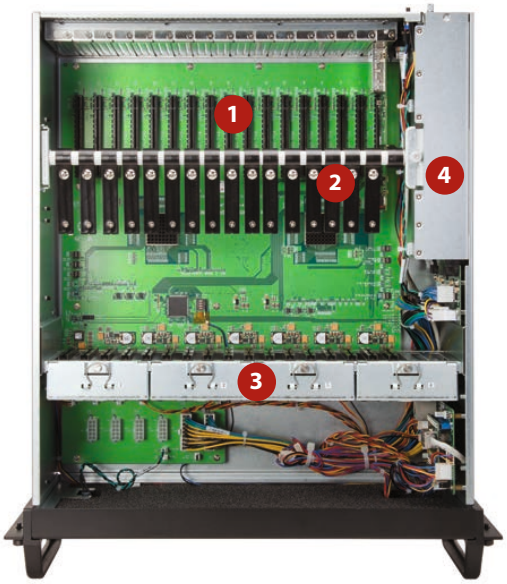

EB16 – Top View

1. Sixteen PCI Express slots
2. Card Retainers
3. Backplane cooling fan assembly
4. Power Supply

EB16 – Rear View

5. PCI Express card slot openings
6. iPass connector to Host Computer
7. Power cord socket(s)
8. Power Switch
9. Locate Switch and LED
10. RJ45 Ethernet connection for SNMP monitoring

Hardware Included

11. 3m iPass cable
12. PCI Express Host Card (x8 or x16)

Configurations

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

Base Models:

- EB16-BX8: ExpressBox 16 - (14) x8 and (2) x16 PCIe slots

Interconnect Options:

- X8 connection to computer
- X16 connection to computer

Power Supply Options:

- Standard 850 Watt
- Standard 1700 Watt
- Redundant 850 Watt

Specifications:

Technology

PCI Express Bus Specification Revision 2.0
PCI Local Bus Specification Revision 2.3
PCI Bridge Architecture Revision 1.2

Backplane

14 slots, x8 PCIe
2 slots, x16 PCIe
1 slot x16 PCIe , dedicated for interconnect car

Cable

3-meter iPass

Interconnect Bandwidth

40Gbps (PCIe x8 Gen 2)

80Gbps (PCIe x16 Gen 2)

Enclosure

4U Rack-mount
19" W x 7" H x 20" D
Removable/cleanable air filter
28 lbs or 13Kg

Rack Installation

Optional Chassis Trak® rack slide kit

System Cooling

Four 77CFM Backplane Fans - hot-swappable
Power Supply Fan(s)

Host Connections and Power Consumption

Low profile
x8 PCIe: 1.25A @ +3.3V maximum
x16 PCIe: 1.5A @ +3.3V maximum

Chassis Power Supply

850 Watt, 1700 Watt or 850 Watt Redundant

100-240 VAC, 47-63 Hz Power Input

12V @ 60 Amps

3.3V @ 33 Amps

Environmental

Ambient Temperature 0º to 50º C
Storage Temperature -55º to 125º C
Relative Humidity: 0% to 90% non-condensing

MTBF

850W standard power supply - 185,600 hrs
1700W dual standard power supply - 106,600 hrs
850W redundant power supply - 720,000 hrs

Regulatory Compliance

FCC Class A Verified
RoHS Compliant

Supported Operating Systems

Windows
MacOS X
Linux
Solaris

Warranty

Money back guarantee
1 year return to factory