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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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BRESSNER
A ONE STOP SYSTEMS COMPANY

MAGMA ExpressBox 16 Basic

Benefits:

- Transparent extension of PCI Express signals outside the computer
- Industrial solution for adding up to sixteen PCI Exp slots to one computer
- Use any combination of PCIe x1, x4, x8 and x16
- Attach full-length PCI Express cards computers with limited card space
- Low profile host card allows for easy installation in l profile computers
- Supports peer-to-peer transfers between cards in the expansion chassis to provide full-bandwidth potential among I/O cards
- Daisy chain or fan out multiple expansion chassis to on computer



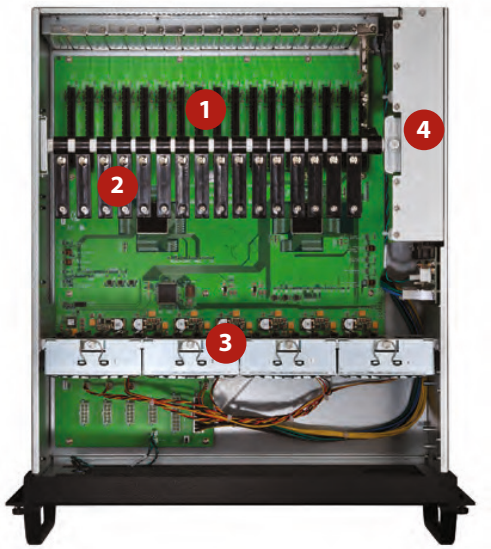
Features:

- Easy “Plug and Play” installation
- LEDs on backplane indicate active link, speed (Gen 1 or Gen 2), partial or complete lane training
- High-speed x8 or x16 interconnection
- Industrial 4U rack-mount enclosure
- Chassis provides superior EMI control, vibration, shock and moisture resistance
- Card hold down retainer
- All slots support full-length cards
- Four hot-swappable cooling fans
- Multiple power supply options with auxiliary power connectors to support cards requiring more than 75 Watts
- Automatic power-up control by computer

Last update: September 2020 - Specifications are subject to change without notification

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MAGMA ExpressBox 16 Basic



EB16 – Top View

1. Sixteen PCI Express slots
2. Card Retainers
3. Cooling fans (Hot-Swappable)
4. Power Supply



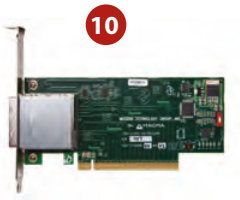
EB16 – Rear View

5. PCI Express card slot opening
6. iPass connector for cable
7. Power cord socket(s)
8. Power Switch

Hardware Included

9. 3m iPass cable
10. 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-BX4: ExpressBox 16 - (16) x4 PCIe slots
- 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

EB16-BX4 - 16 slots, x4 PCIe
EB16-BX8 - 14 slots, x8 PCIe & 2 slots, x16 PCIe

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 0° to 50° C
Storage Temperature -55° to 125° 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

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