ExpressBox 2200
Gen 2 PCIe-to-PCIe Expansion Chassis

MAGMA™

Featuring 3 PCIe Gen 2 Slots and Two 5.25-inch Option Bays

Provides expansion for up to three PCIe-based, full length cards

Two 5.25" bays

Rack-mountable metal, 2U chassis (14.25" Wide x 3.48" High x 17" Deep)

520-watt fanless power supply

Precision engineered to Magma's mission critical standards for performance and reliability, ExpressBox 2200 features three (3) full-length, full-height PCIe slots and flexibility with two customer configurable 5.25" expansion bays. Designed with your workstation in mind, the EB2200 has a rack-mountable aluminum chassis for integrated removable storage expansion, a 520-watt fanless power supply, auxiliary power, and features Magma's exclusive quiet cooling technology.

ExpressBox 2200 is compatible with a series of operating systems, including MacOS, Windows, Linux, and Solaris.

With iPass and super-fast card-to-card communication, the EB2200 is equipped to host a spectrum of specialty PCIe cards with an available PCIe slot, and achieve incredible performance in any workstation configuration. The EB2200's patented, high-performance optimizing backplane seamlessly integrates PCIe expansion to ensure that all devices installed in the system operate with the maximum possible speed. ExpressBox 2200 is the gold standard for professionals seeking to capture the dynamic power of their system's computing capabilities.

Host Connection
Host side: Low profile x8 PCIe
(1.2A @ +3.3V maximum)
Expansion side: Low profile x8 PCIe
(1.2A @ +3.3V maximum)

Interconnect Bandwidth
40 Gbps (PCIe x8 Gen 2)

Cable
3-meter x8 iPass

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

Backplane
Three (3) available full length/
full height expansion slots
Electrical: x8 PCIe
Physical: x16 PCIe

Enclosure
2U Aluminum Desktop – Black
14.25" Wide x 3.48" High x 17" Deep
(363mm x 88.4mm x 432mm)
(2) 5.25" Option Bays
8.5 lbs (3.6 kg)
Tool-less cover removal
White power-on indicator front panel light

System Cooling
One 80mm 33.4 CFM
Expansion Card/Backplane Fan
Variable speed thermistor control
option (or full speed)

Power Supply
520-Watt Fanless Power Supply
AC Input: 100-240VAC
Input Frequency: 50-60HZ
Input Current: 8.0A Max
DC Output: 540 Watts Max
+12V 43.0A maximum
-12V .5A maximum
+5V 20.0A maximum
+3.3V 20.0A maximum
+5Vsb 2.5A maximum
Total power on +3.3V and 5V
must not exceed 100W max
Auxiliary power cables:
(5) 4-pin Molex connectors
(2) 6-pin + 2 PCIe connectors
(2) PCIe Connectors

Environmental
Ambient Temperature:
0°C to 50°C
Storage Temperature:
-40°C to 125°C
Relative Humidity:
10% to 90% non-condensing

MTBF
35,000 Hours at 40°C

Chassis Features
Removable desktop feet
Rack-mount kit included

Regulatory Compliance
FCC Class A Verified
CE Certified
RoHS Compliant

Warranty
Money back guarantee
1 year return to factory

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