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WUNTRONIC
Mess-, Steuer- und Regelgeräte GmbH

High Performance Computing ExpressBox 3600-10

Expansion System with 10 Slot x16 Gen-3 and 1200/1500W to 4800/6000W Power Supply

Model ExpressBox3600-10

Robust Server Optimized for up to (9) Double-Wide GPUs

Features and Benifits:

- Passive host interface; no PCIe switch on host link cards provides lowest latency possible
- Two 1200W/1500W hot swappable power supplies provided standard. Up to two more can be configured, for support of up to 4800W/6000W
- Direct flow through air cooling is provided for passively cooled server class GPUs
- EB3600-10: Ten total or nine double wide peripherals; one to two hosts
- PCIe Gen 3 x16 (128Gbps) for all connections
- Optimized for server class (passively coded) GPUs
- Magma Express I/O System Management is included in all configurations
- Design optimized for GPU applications - concentrate your HPC investment in a chassis that will support full GPU performance utilization
- Low-profile host card allows for easy installation into 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-chaining of fan-out configuration of multiple expansion chassis

BASE MODELS

EB3600-10

- Two five slot backplanes mounted side by side in a 19" rack enclosure
- Two 1200 W (2400W total) PSUs

TECHNOLOGY

PCI Express Bus Specification 3.0, 2.3; PCI Bridge Architecture Revision 1.2

POWER SUPPLY OPTIONS

Additional Hot swappable 1200W@120V/ 1500W@240V AC power PSU. Can be added to base models above. Up to four total (4800W@120V/ 6000W@240V)

HOST CONNECTION

Host side: Any PCIe based host-equipped computer (preferably Gen 3 x16)

Expansion side: All host links are Gen 3 x16 capable and will train down to Gen 2 or 1 as needed

Switchless host link adapter design for minimal host/expansion latency

1m or 2m cable lengths are supported for host interface

INTERCONNECT BANDWIDTH

PCIe Gen 3 x16: 128 Gbits/sec to all peripherals and host link

BACKPLANE

EB3600-10: ten peripheral slots and two host link slots (All Gen 3 x16)

ENCLOSURE

4U Rack-mount
16.8" Wide x 7" High (4U) x 22.125" Deep
Removable/cleanable air filter
50 lbs/22,7kg

ENVIRONMENTAL

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

REGULATORY COMPLIANCE

FCC Class A Verified
RoHS Compliant
CE Mark

WARRANTY

1 Year return to factory (extendable)

Magma's ExpressBox 3600 provides optimal server grade GPU and other HPC peripheral expansion to existing host computer systems. Designed to support full Gen 3 x16 PCIe connectivity to all devices, the EB3600 supports 128 Gbps communication between the host and all peripherals. Ten total expansion slots are supported by the EB3600-10 for one or two hosts.

The EB3600 is optimized for server class applications and supports a variety of server class GPUs. Power and cooling are designed for up to 300W per GPU. Cooling is designed to support passive cooled GPUs. All critical components are hot swappable and designed for RAS applications. The EB3600 includes Magma's Express I/O management for system control, monitoring and alarming.

Order Informations:

Order number	Model	Description
WM1-098-110	EB3600-10	2 x 5 Gen3 x16 Backplane, 10 Slots (9 GPUs), 2400W, 18 PCI AUX Kabel, Express IO Manager, include fore x16 Gen-3 Host Bus Adapters. (please select a cable option)
Power Options:		
WM1-126-610	PSU-3600	1200 Watt at 120 Volt / 1500 Watt at 240 Volt hot swap power supply
Interface and Cable Options:		
WM1-126-615		X8/x16 Gen 3 Host Link Adapter
WM1-126-620	CBL1G3	1 Meter x8 Gen 3 cable (2 needed to make x16 link
WM1-126-625	CBL2G3	2 Meter x8 Gen 3 cable (2 needed to make x16 link
Rack Slide Options:		
WM1-126-100	RSLIDES-18	18 „Chassis Trak® rack slides with extender bracket
WM1-126-120	RSLIDES-26	26" Chassis Trak® rack slides with extender bracket
WM1-126-130	RSLIDES-28	28" Chassis Trak® rack slides with extender bracket