# ROBEN-3TM
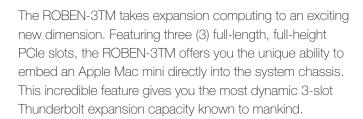## Thunderbolt™-to-PCIe Expansion Chassis

**MAGMA**™

## Embeddable Apple Mac Mini & Superlative Speed, Featuring a Securable Area for a USB Thumb Drive

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

Mounting bracket for internal housing of Mac mini*

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

540-watt power supply

## Starting at $1,799.00

The ROBEN-3TM takes expansion computing to an exciting new dimension. Featuring three (3) full-length, full-height PCIe slots, the ROBEN-3TM offers you the unique ability to embed an Apple Mac mini directly into the system chassis. This incredible feature gives you the most dynamic 3-slot Thunderbolt expansion capacity known to mankind.

You have a lot invested in your creative assets, so the ROBEN-3TM allows you to keep your valuable plug-ins secure with an optional front panel USB iLok. The rack-mountable aluminum chassis was designed with a 540-watt power supply, auxiliary power, and features Magma's exclusive Quiet Temperature Controlled (QTC) cooling. The ROBEN-3TM is precision engineered as the ideal sidekick to the Apple Mac mini.

We understand that your projects require an exceptional, high-performance workstation, so the ROBEN-3TM was designed for 'mission critical' capabilities previously reserved for our defense and aerospace customers. Failure is not an option, so we integrated the best of Magma's advanced technologies and sourced the highest quality components for this superlative chassis.

It's time to create. Simply add a host of specialty PCIe cards to an Apple Mac mini and unleash your creative genius. ROBEN-3TM's patented performance optimizing backplane flawlessly integrates PCIe expansion, storage, and Thunderbolt connectivity, ensuring that each system device operates at maximum performance and speed.

With the option of embedding an Apple Mac mini, the new iLok feature and 3-slot capacity, the ROBEN-3TM is the gold standard for high-end Thunderbolt-based computing.

### Host Connection
Host side: Any Thunderbolt equipped computer with one or more Thunderbolt ports
Expansion side: Two (2) Thunderbolt connectors supporting one host connection and one daisy chain out port

### Interconnect Bandwidth
Thunderbolt: 10Gbps (1.25GBps) Bi-directional

### Cable
Thunderbolt (sold separately)

### 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)
8.5 lbs (3.6 kg)
Tool-less cover removal
White power-on indicator front panel light

### Embeddable Mac mini
Mounting bracket for internal housing of Mac mini *(Mac mini purchased separately)
Mac mini connectivity provided to front and rear panels
Rear panel: (2) USB 3.0, (1) Gb Ethernet, (1) HDMI
Front panel: (2) USB 3.0, (1) Firewire 800, (1) Audio in, (1) Audio out, power on/off button
Lockable iLok secure location using one of the front panel USB ports (lock sold separately)
Single power cord for expansion slots and Mac mini
Thunderbolt cable included

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

### Power Supply
540W Standard
AC Input: 100-240VAC
Input Frequency: 50-60HZ
Input Current: 8.0A Max
DC Output: 540 Watts Max
+12V 45.0A maximum
-12V .5A maximum
+5V 24.0A maximum
+3.3V 24.0A maximum
+5Vsb 3.0A maximum
Total power on +3.3V and 5V must not exceed 150W max
Auxiliary power cables:
(4) 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

### Optional Chassis Features
Rack-mount kit

### Regulatory Compliance
FCC Class A Verified
CE Certified
RoHS Compliant

### Warranty
Money back guarantee
1 year return to factory

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