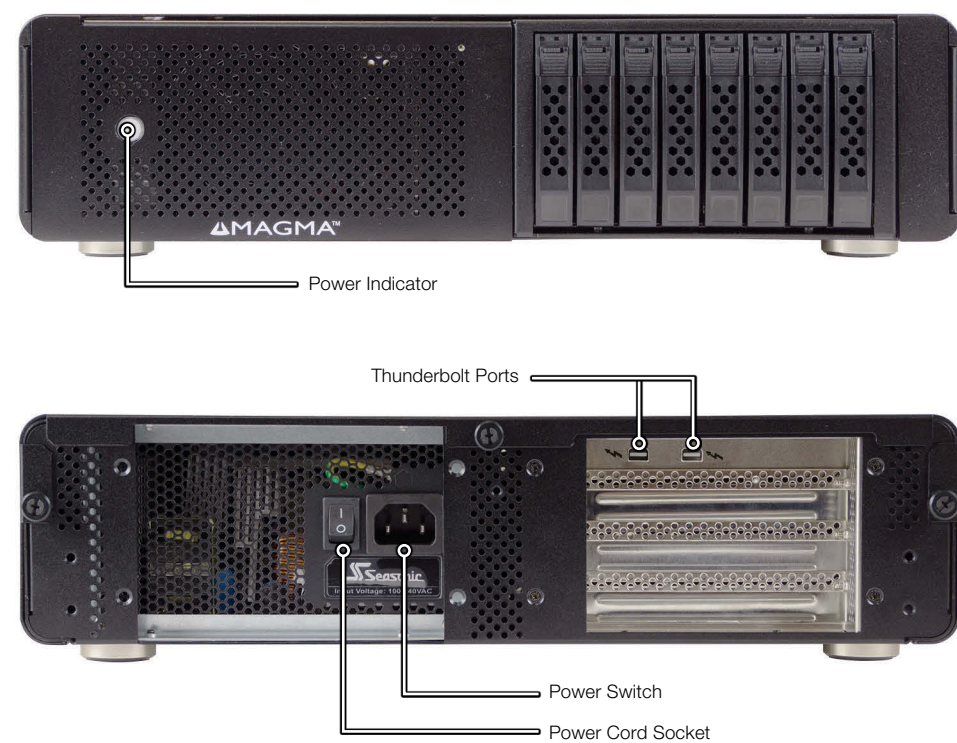# THUNDERBOLT™

ROBEN-3TS
Thunderbolt™-to-PCIe Expansion

Quick Start Guide

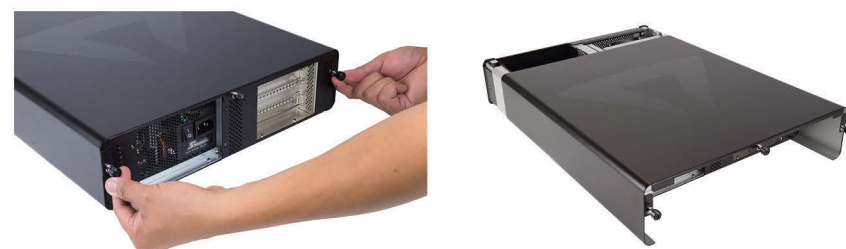## STEP 1: UNPACK THE ROBEN-3TS

The box contains the following items:

- ROBEN-3TS - Thunderbolt™ PCIe Expansion Chassis
- Rackmount Hardware
  (See manual for installation.)
- Power cord
- Quick Start Guide

Power Indicator

Thunderbolt Ports

Power Switch

Power Cord Socket

NOTE: ROBEN-3TS requires a Thunderbolt™ cable (sold separately)
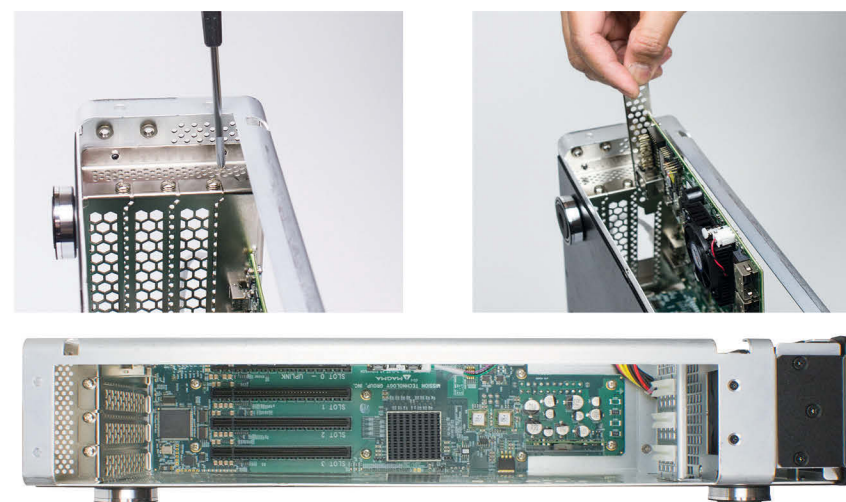

STEP 2: REMOVE COVER

Loosen thumbscrews and remove cover.

STEP 3: INSTALL PCIe CARDS

To utilize the storage bays, install a controller card, and attach the SAS/SATA cables. Refer to the manual for more details.

STEP 4: CONNECT POWER

Attach the power cord to the back of the Magma product and plug into a power source.

STEP 5: CONNECT TO COMPUTER

Connect a Thunderbolt cable to one of the ports on the back of Magma product to the Thunderbolt port on your computer. You can use the second Thunderbolt port to connect to another Thunderbolt device or a mini DisplayPort device.

STEP 6: TURN ON COMPUTER

ROBEN-3TS will automatically turn ON and OFF when the computer is turned ON and OFF. A WHITE light will shine when the expansion chassis is ON.

If either end of the Thunderbolt cable is removed while the system is ON, the expansion chassis will automatically power down.

NOTE: The ROBEN-3 does not have ON/OFF switch. The WHITE LED on the front is an INDICATOR, not a power SWITCH. To turn ON the expansion chassis, connect to a Thunderbolt equipped computer.
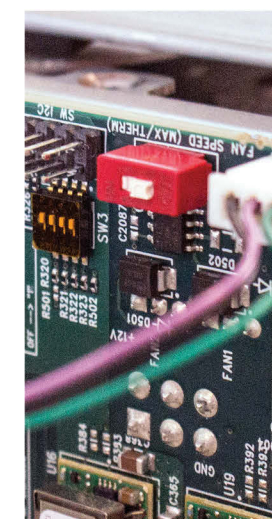

FAN SPEED CONTROL

Some PCI Express cards produce substantial heat and must be cooled properly to eliminate over heating problem. By default, the fan will run at maximum speed when the DIP Switch is set to MAX. If it is set to Thermistor (THERM), the chassis fan speed is controlled by the temperature inside the enclosure. Thermally controlled fan will run at maximum speed when the Thermistor senses temperature at or above an upper limit. Fan will run at minimum speed if the temperature is at or below lower limit.

To set the FAN (speed) locate the red DIP switch SW500 on the expansion board.

MAX = Fan runs at fast mode.
THERM = Fan is set to Thermistor controlled.

NEED MORE HELP?

Download the User Manual
Magma Website: www.magma.com   Magma Support: support.magma.com
Call Us: 1-800-285-8990 or 1-858-530-2511