

• NA381TB



## ***4U 24 bay Thunderbolt Storage and PCIe Expansion***

- ▶ Solid 4U 24-bay rackmount chassis
- ▶ Thunderbolt interface with 10Gbps of throughput in both channels
- ▶ Rear swappable integrated plate drawer for Mac mini
- ▶ Supports twenty four (24) SAS/SATA (6G/3Gbps) HDD Trays
- ▶ Supports up to 3 PCIe slots for RAID card, Fibre Channel HBA/10G networking card, and any standard PCIe add-on cards with Thunderbolt Aware's Driver.
- ▶ Individual key lock on each HDD tray for physical security
- ▶ Server-grade redundant power supply for zero-down-time

### **Overview**

The Thunderbolt™ NA381TB enclosure turns Mac mini into rackmount server, enabling power of Mac mini fully utilized by single Thunderbolt connection; it also transforms Mac mini into enterprise solution with near 100TB storage for data center, extra 3 PCIe slots for PCIe cards expansion, and is designed to fit for high-speed SAN architecture. Any preferred RAID controller card can be selected to go into the NA381TB to make RAID available to storage. Professional PCIe cards such as video card, FC or 10GbE network card (sold separately) can even be added to NA381TB to work with Mac mini.

### **Simply, Mac mini becomes Enterprise Server**

The Thunderbolt™ NA381TB is equipped with two Thunderbolt™ ports capable of daisy-chain up to 6 Thunderbolt™ devices and display, supporting I/O performance 10Gbps bi-directional. Once Mac mini with Thunderbolt 2 is released, the NA381TB can also be upgraded to Thunderbolt 2 through upgrade kit for doubled data rates 20Gbps. Built with rear easily removable host plate, the Mac mini can be integrated to NA381TB conveniently with existing Mac I/O accessible to users.

## Excellent Cooling Design with Most Efficient Use of Space



The NA381TB rackmount enclosure is designed to have high efficiency airflow ventilation; even under the most mission-critical working environment, the Mac mini and each PCIe card are ensured to be staying at the coolest condition for running application smoothly. The Thunderbolt™ NA381TB also makes the most utilization of space for server; with the space-saving architecture, the Mac mini is transformed into enterprise server with PCIe expansion and mass storage upon no single space wasted.

## Specifications

Model	NA381TB
Host Interface	Thunderbolt™ (Upgradable to Thunderbolt 2 when it's ready)
Data Transfer Rate	10Gbps Bi-directional
HDD Interface	SAS/SATA (3/6 Gbps)
No. of Disk(s)	Up to 24 (For 3.5" HDD & sold separately)
RAID Levels	Requires a RAID card with internal 24 port and Thunderbolt driver(RAID card sold separately)
PCIe Slot Expansion	Two PCIe2.0 x8 and One PCIe2.0 x4
Thunderbolt Expansion	Up to Six Thunderbolt devices
LED Display for Enclosure	Fan normal - green; Fan failure - red Temp. normal - green; Temp. over 50°C - red
LED Display for each Tray	White - Power On Indicator Flash Blue - HDD Accessing Indicator Red - HDD Failure Indicator
Alarm	Mutable buzzer beeping for fan failure or over temperature occurs
Material	Heavy-duty cold-rolled steel Housing
Power Supply	650W Redundant PSU (Server-grade) Input: 90-230 VAC/50-60 HZ Output: +5V and +12V
Dimension	559(D) x 482(W) x 176(H) mm 22 (D) x 19 (W) x 6.93 (H) inch
Cooling	Three 90 x90 x25 mm
System Support	Mac mini, Mac mini Server with a Thunderbolt port
O.S. Support	Mac OS X 10.6.8+, Mac OS Server, OS X Mountain Lion
PCIe card Driver Request	Third-party PCIe card should support Mac OS with Thunderbolt aware's driver
PCIe card Size Available	Card length within 305mm and full height PCIe card
Storage Temperature	0 to 40°C (32 to 104°F)
Operating Temperature	-10 to 50°C (-14 to 122°F)
Relative Humidity	20 to 80% (non-condensing)