



**TRENTON  
SYSTEMS**  
Rugged Computers

**THS4086**  
Rugged  
Chassis



## 4U - 16.5" DEPTH - 8 PCIE SLOTS - 19" RACKMOUNT

**Perfect for the SWaP Conscious: Aircraft, Vessels, Vehicles & Transit Cases**

### High Horsepower, Small Footprint, COTS Availability

When your application requires hard-hitting performance and large numbers of PCIe cards in a small space, that used to mean a custom solution. No longer! The THS4086 puts up to 12 PCIe devices into a 19" rackmount and just 16.5" of depth. Four 3.5" drive bays provide a wide array of storage configurability and optional optical storage drive is available. Integrated chassis ruggedization features keep cards and SHB safely in place even in high vibration environments.

## PRODUCT DETAILS



### Up to 8 PCIe Slots

Enhance system design flexibility with backplane options supporting lots of PCIe 3.0 Option Cards.



### Rugged Motherboard

Also available with the most rugged motherboard using Intel's latest Cascade Lake processors.



### Front Access Fans

Front access 120mm fans are easily replaceable without system power-off and are system speed controlled.



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## TECH SPECS

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### Model Number

THS4086

### Board Type

Host Board + Midsize Backplane OR Rugged Motherboard

### Environmental

**Temperature:** -10° C to 50° C (operating) and -40° C to 70° (storage)

**Humidity:** 5% to 90% non-condensing

### Drive Bays

4 – Front access 3.5" bays

1 – Slim-line optical media bay

### Construction

Lightweight, rugged aluminum with corrosion-resistant plating

### Color

Black powdercoat front panel with logo standard. Customization services available.

### Power Supply

ATX Form Factor Compliant. Standard options: 860w Fixed/800w Redundant (AC). 850W (DC) PSU also available. Additional wattage options as available.

### Cooling

2 – 120mm Fans, 210 CFM each with chassis temperature monitoring speed control. Front-access removal for easy replacement.

### Switch Panels

Front: LEDs for Power, HDD Activity, Cooling Fan Status & Switches for Power On and Reset

Rear: LED Illuminated I/O Deck, Switch for I/O Deck Illumination

### Hold-Down Bar

Robust hold down bar for the SHB/SBCs and the option cards for added security in high vibration environments

### Air Filter

Fold-down front filter door provides coverage to entire chassis front, including drive bays for for easy cleaning and maintenance

### Dimensions

19.0" (W) x 7.0" (H) x 16.5" (D)

48.3cm (W) x 17.8cm (H) x 41.9cm (D)

32.6 Lbs. includes chassis +SHB + Backplane + PSU only

*Final system weight is a function of the specific system configuration.*

