TRENTON SYSTEMS
Rugged Computers

THS2085
HDEC Series
Chassis

2U - 18.2" DEPTH - UP TO 650W PSU

Up To Four Standard, Off-The-Shelf, X16 PCI Express Plug-In Cards

High-performance computing system

This rugged chassis accommodates multiple 10GbE and 1GbE LAN ports, USB3.0 and USB 2.0 device interface ports, a built-in system fan speed control and system monitoring. Reduce system cost & increase available bandwidth to produce the most efficient computing system possible.

PRODUCT DETAILS

Up to 4 PCIe Slots

Configured with an HDEC Series 2U butterfly format backplane and an HDEC Series system host board.

Drive Bays

2 - 3.5" front bays configurable to 4 - 2.5" removable HDD/SDDs and 1 Slim-Line Optical Media Bay.

Power Supply

500W 1U Removable or 650W 2U Fixed or 600W Redundant Power Supply options.

www.trentonsystems.com
Check out our website for configuration options.

Phone: (770) 287-3100
Email: sales@trentonsystems.com

TECH SPECS

Model Number

THS2085

Board Type

HDEC Series system host board and 2U butterfly format backplane

Agency Approvals & Compliance

The THS2085 is an HDEC Series CE compliant 2U Rackmount computer. Specifically, the THS2085 is compliant to the 89/336/EEC-EMC Directive.

The standards to which CE conformity is declared are as follows:
IEC 55022: 2008 Class A, IEC 61000-3-2:2014 , IEC 61000-3-3: 2013,
IEC 61000-4-2: 2008, IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010,
IEC 61000-4-4: 2012, IEC 61000-4-5: 2014, IEC 61000-4-6: 2013, and
IEC 61000-4-8: 2009 & IEC 61000-4-11: 2004

The THS2085 is also compliant with FCC Part 15 Subpart B when configured with the HEP8225 system host board and the HDB8227 backplane.

Drive Bays

- 2 – 3.5" front bays can be configured to support up to 4 - 2.5" front removable/hot swap HDD/SDDs
- 1 – Slim-line optical media bay

Construction

Lightweight, rugged aluminum

Power Supply

Rear-mounted power supply options are available in the THS2085 and they include:
- 1U removable ATX/EPS power supply up to 500W, or
- 2U fixed ATX/EPS power supply up to 650W, or
- 600W redundant power supply

Cooling

4 – 60mm fans in a four-fan hot swap sub-assembly, 67 CFM each

Switch Panels

Front – Power On/Off , System Reset, and Clear CMOS

Air Filter

Front tool-less access to the system filter for easy cleaning and maintenance

Dimensions

19.0" (W) x 3.5" (H) x 18.2" (D)
48.3cm (W) x 8.9cm (H) x 46.2cm (D)

23.8 Lbs. (10.8 Kg.) – includes chassis + dual-processor HDEC Series SHB + butterfly format backplane + fixed power supply.

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