TRENTON SYSTEMS

High-Performance Computers

TRC4015

4U HEIGHT - 25.7" DEPTH - INDUSTRIAL CHASSIS

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

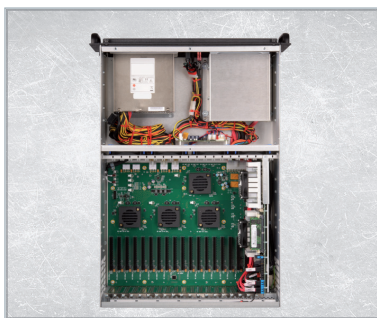### Accommodates up to six hot swap, front-access storage drives

The TRC4015 4U rackmount computer is an ideal system solution for high-end industrial and military computing as well as demanding video processing and graphics applications. The system supports a variety of PICMG® 1.3 single board computers and large format (20-slot) backplane options. An example of a large format backplane option for the TRC4015 is the Trenton BPG8194 with its eight, GEN3 PCI Express x16 electrical interfaces to the card slots plus fiv e additional x16 mechanical card slots connected with x4 electrical links.

PRODUCT DETAILS

Leightweight Construction
The TRC415 features a chassis constructed with lightweight aluminum.

Single or Dual Processor
Single-processor & dual-processor single board computer options available.

Fixed or Redundant Power
Front access, fixed ATX power supply to 860w, or a mini-redundant ATX P/S up to 800w.

www.trentonsystems.com
Visit our website for more info.

Phone: (770) 287-3100
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Model Number
TRC4015

Board Type
Single Board Computer

Environmental
Temperature: -10º C to 50º C (operating) and -40º C to 70º (storage) **Humidity:**   5% to 90% non-condensing

Chassis Standard
EIA RS-310C 19" Rackmount Standard

Drive Bays
2 – Front 5.25" drive bays support either three 3.5" or up to eight 2.5" hot swap HDD/SDD carriers 1 – Slim-line device bay for optical drive media* *Some HDD/SDD drive bay configurations do not support optical drive media

Power Supply
1 – Front access, fixed ATX power supply up to 860W – or- mini-redundant ATX P/S up to 800W

System Fan Control
The FSC1400 simultaneously controls and monitors tach pulses from up to four system fans. The controller also accepts fan speed commands (including on/off) and provides individual pass/fail fan status via an I2C interface to the computer's PICMG 1.3 system host board. Fan speed can also be based on temperature via the provided thermal sensor. See the FSC1400 System Fan Speed Controller datasheet for additional details on system fan control operation.

Hold Down Bar
Flexible hold down bar for the SBC and the option cards for added security in high vibration environments

Cooling
Four 92mm ball bearing fans, 102cfm each

Dimensions
•   19.0" (W) x 7.0" (H) x 25.7" (D) •   48.3cm (W) 17.8cm (H) x 65.4cm (D) •   tb.d Lbs. (tb.d Kg.) – includes chassis + single processor SBC + large format backplane + fixed power supply only   *Final system weight is a function of the specific system configuration.*