

# TRC2002

## TRENTON 2U RACKMOUNT CHASSIS - 18.0" DEPTH

### FEATURES

- CE-compliant system performance in a compact chassis design
- Flexible PICMG 1.3 system host board (SHB) / single board computer (SBC) options
- Dual or single-processor options featuring the latest multi-core CPUs
- Backplane options available for PCI Express, PCI-X and PCI cards\*
- Two front-access and hot-swap HDD carriers and one media bay
- Redundant power supplies and long-life system fans
- Lightweight aluminum chassis design



Trenton TRC2002 Rackmount System  
Shown with a butterfly backplane and SHB

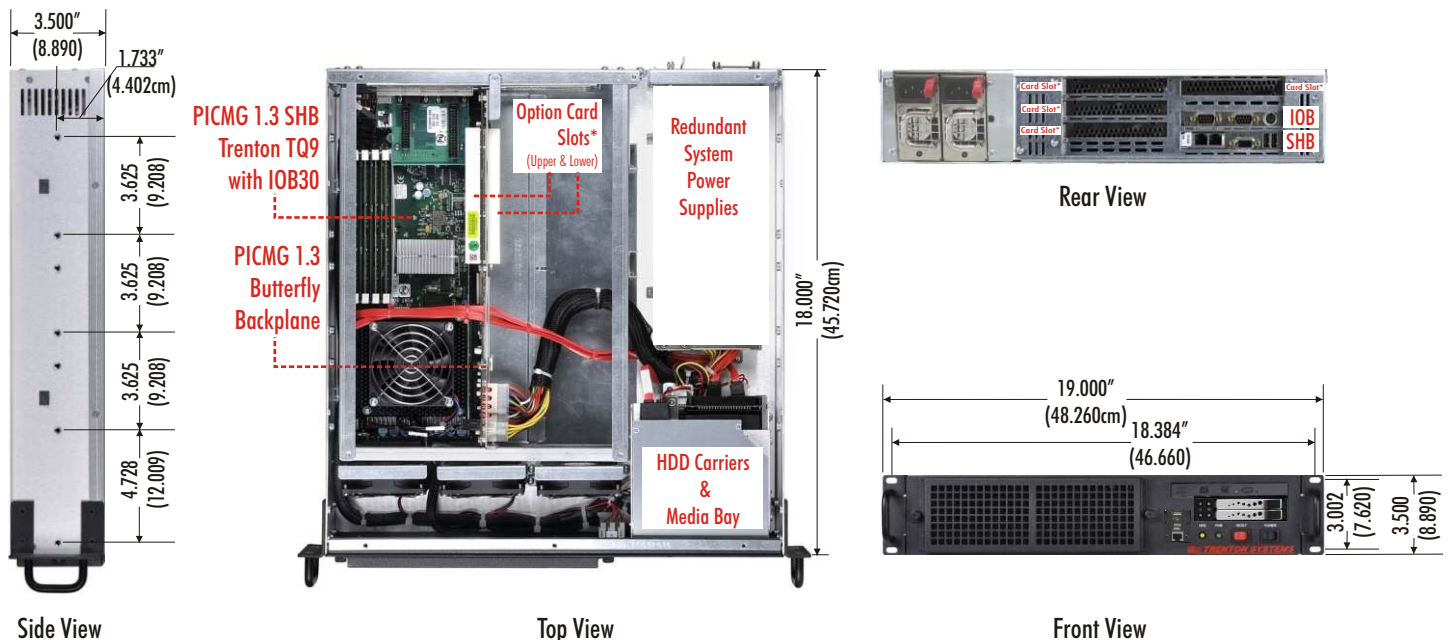


### TRC2002 OVERVIEW:

The Trenton TRC2002 is a CE-compliant system featuring a rugged and yet lightweight (23.8 lbs/10.81 kg) aluminum chassis design with a shallow 18" depth for mounting in applications where rack component space is at a premium. The system is configured with a PICMG® butterfly form factor backplane to support one PICMG 1.3 SHB and a number of PCI Express®, PCI-X or PCI option cards. The number and type of option cards supported in the system is a function of both the SHB and butterfly backplane configuration.

The TRC2002 rackmount system supports two front access/hot swap drive carriers, a slim-line optical media bay and two redundant system power supplies. The 18.0" depth of the chassis is engineered to support the variety of full-length option cards typically used in diverse applications such as surveillance aircraft, automation machinery and ground-vehicle control systems.

### TRC2002 CHASSIS LAYOUT DRAWING - BUTTERFLY BACKPLANE CONFIGURATION:



### TRENTON RACKMOUNT COMPUTER: TRC2002

#### CHASSIS MODEL DESCRIPTION

TRC2002 2U rackmount CE-compliant system with an 18.0" depth, two front-access/hot-swap HDD carriers and redundant power supplies supporting multiple PICMG 1.3 SHB and backplane options

\*The number and type of available option card slots depends on the backplane and SHB combination

**TECHNICAL SPECIFICATIONS:**

MODEL NAME	TRC2002
DESCRIPTION	2U, 18" deep, CE compliant rackmount computer with front access / hot swap HDD bays, redundant supplies a PICMG 1.3 SHB and butterfly backplane
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Lightweight Rugged Aluminum
COLOR	Black (Front)
VERSION	19" Rackmount, PICMG 1.3 System Host board and butterfly backplane in a shallow-depth enclosure with front access HDDs and redundant supplies
UP PICMG 1.3 SHB OPTIONS	Trenton TQ9, TML, JXTS6966, MCXI-Series, MCGI-Series, SLI and other industry standard PICMG 1.3 SHBs
DP PICMG 1.3 SHB OPTIONS	Trenton JXT6966, MCXT-Series, MCGT-Series, SLT and other industry standard PICMG 1.3 SHBs
BUTTERFLY BACKPLANE OPTIONS	Industry standard 2U PICMG 1.3 butterfly form factor backplanes See <a href="#">Trenton system host boards</a> for more details on SHB capabilities.
REAR CHASSIS I/O INTERFACES <sup>2</sup>	Typical I/O with Trenton SHB and IOB3x - 2 - 10/100/1000Base-T Ethernet, 2 - USB 2.0, 1 - VGA, 1 - PS/2 Mouse/Kbd, 2 - RS-232 COMM Ports
I/O CARD SLOT CONFIGURATION <sup>3</sup>	Support for PCI Express 2.0, PCI Express 1.1, PCI-X and PCI option cards
DRIVE BAYS	2 - Front removable 2.5" drive carriers for a SATA HDDs, 1 - Slim-line optical media drive bay
POWER SUPPLY OPTIONS	2U rear-mounted mini-redundant ATX/EPS P/S up to 400W, other P/S options available upon request
COOLING	3 - 80mm Fans (front-mounted), 67CFM each, other system fans are available
INDICATORS	Front LEDs for HDD activity and power status and rear LEDs for LAN activity
FRONT PORT and SWITCHES	2 - USB ports, 1 - RS-232D serial port, 1 - Power On/Off switch and 1 - System Reset switch
AIR FILTER	Front access system filter for cleaning and maintenance
CHASSIS NET WEIGHT	23.8lbs. (10.81 Kg) chassis + SHB + backplane + two 2U mini-redundant power supplies only
METRIC DIMENSIONS	48.3cm (W) x 8.9cm (H) x 45.7cm (D) (with 19" rackmount handles installed)
ENGLISH DIMENSIONS	19.0" (W) x 3.5" (H) x 18.0" (D) (with 19" rackmount handles installed)

Trenton Systems offers complete system integration of a wide variety of standard and customer supplied operating systems and application software packages. Various Microsoft®, Linux and RTOS operating systems can be loaded on to your system by our highly skilled factory technicians. Other system integration services include loading and testing of industry standard or COTS option cards as well as custom designed boards.

Standard industry certifications and approvals for your specific system configuration are also available from Trenton Systems.

Final system weight, environmental specifications and total power consumption estimates are a function of the specific system configuration. Contact Trenton for a total system weight and power consumption estimate for your specific system configuration.

**NOTES:**

1. The chassis photos on page one are shown for illustrative purposes only.
2. Rear I/O interfaces vary slightly with SHB and IOB models.
3. Option card slot interface type and quantity is a function of the specific SHB and 2U butterfly backplane used in the final system configuration.

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