Trenton TRC2005 Rackmount System
Shown with a butterfly backplane and SHB

FEATURES

- Superior, long-life 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
- Four 2.5" front-access/hot-swap HDD carriers & one media drive bay
- Two 3.5" HDD bays & one optical media bay alternate configuration
- Customer-driven power supply options and reliable system fans
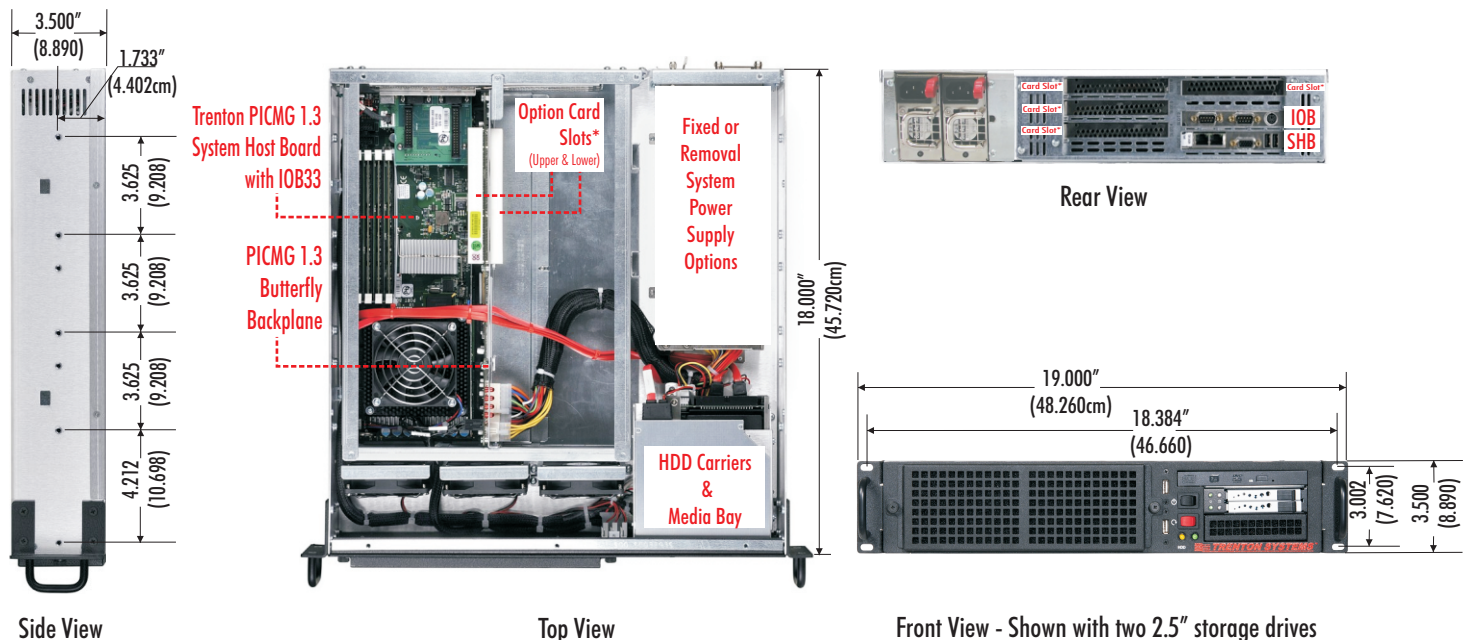- Lightweight aluminum chassis design

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TRC2005 OVERVIEW:

The Trenton TRC2005 is designed for applications that require outstanding system performance in a stable computing platform having extensive data storage capacity. This rugged and yet lightweight (23.8 lbs/10.81 kg) industrial computer is constructed using a 2U, rackmount aluminum chassis with a shallow 18" depth for mounting in areas where component space is at a premium. The TRC2005 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 TRC2005 system solution supports up to four storage drives, a slim-line optical media drive and offers multiple power supply configuration options. The 18.0" chassis depth enables support for the wide variety of full-length option cards typically used in diverse applications such as medical imaging, industrial automation machinery and ground-vehicle control systems.

TRC2005 CHASSIS LAYOUT DRAWING - BUTTERFLY BACKPLANE CONFIGURATION:

Side View

Top View

Rear View

Front View - Shown with two 2.5" storage drives

TRENTON RACKMOUNT COMPUTER: TRC2005

CHASSIS MODEL	DESCRIPTION
TRC2005	2U rackmount system solution with an 18.0" depth, up to four storage drives, flexible power supply options and supports multiple PICMG 1.3 SHB and backplane configurations

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC2005
DESCRIPTION	2U, 18" deep, rackmount computer with front access / hot swap HDD bays, flexible power supply options, 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 up to four front access storage drives
UP PICMG 1.3 SHB OPTIONS	Trenton TSB7053, BXTS7059, JXTS6966, TQ9 and other industry standard PICMG 1.3 SHBs
DP PICMG 1.3 SHB OPTIONS	Trenton BXT7059, JXT6966, and other industry standard PICMG 1.3 SHBs
BUTTERFLY BACKPLANE OPTIONS	Trenton BPC8219, BPX8087, and industry standard 2U PICMG 1.3 butterfly form factor backplanes
REAR CHASSIS I/O INTERFACES[2]	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[3]	Support for up to four x16 PCI Express option cards when using the Trenton BPX8219 backplane
DRIVE BAYS	2 - 3.5" drive bays or 4 - front removable 2.5" drive carriers for a SATA HDDs, 1 - Slim-line optical media drive bay
POWER SUPPLY OPTIONS	2U rear-mounted, 90-240VAC redundant power supplies (600W), other P/S options available upon request
COOLING	3 - 80mm Fans (font-mounted), 67CFM each; a fan speed control option is available in place of the second; i.e. lower, drive bay
INDICATORS	Front LEDs for HDD activity and power status and rear LEDs for LAN activity
FRONT PORT and SWITCHES	2 - USB ports, 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 + system power supply 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 and drawings 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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