FEATURES

- Flexible processor board configurations support SBCs, SHBs and motherboards
- System configurations available with single- or dual-processor boards
- Supports 14-slot and 20-slot PICMG® backplane options
- Front access power supply for 20-slot backplane configurations
- Long-life, high-performance and hot-swappable system fans
- Front-panel status LEDs and front-access USB ports
- Locking and non-locking front panel option
- Easy access to system air filters

Trenton TRC4005 Rackmount System
Shown with 20-slot backplane and one SBC

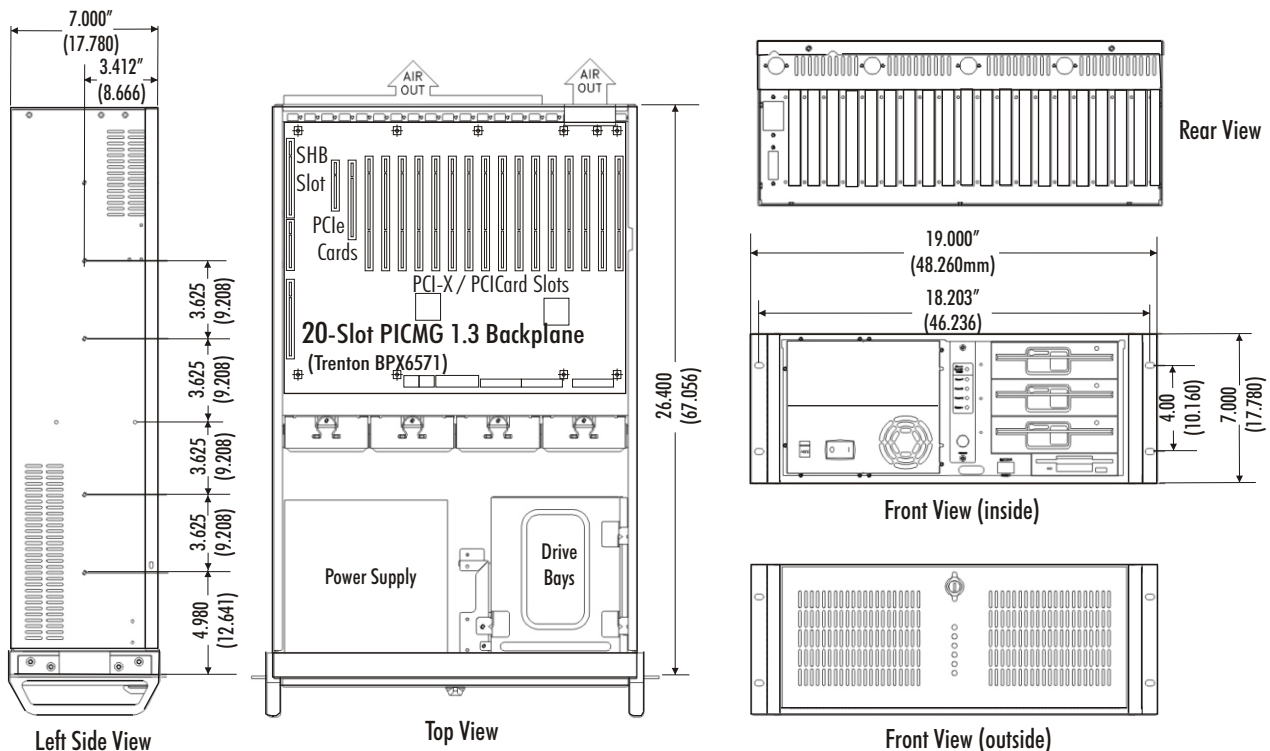**TRENTON SYSTEMS™**
Engineered For Reliability

TRC4005 OVERVIEW:

The Trenton TRC4005 is a 4U rackmount computer chassis that supports a front access power supply and features up to a 20-slot form factor backplane. This rackmount system can be configured with a single- or dual-processor single board computer and a variety of backplanes. Some backplanes provide support for up to eighteen PCI Express® or sixteen PCI-X option cards. See Trenton single board computers or Trenton backplanes for more details on SBC capabilities and backplane slot configurations.

The TRC4005 rackmount chassis supports a variety of hard drive options including hot swap HDDs, flexible optical media drive bay configurations and hot swap system fans. The 26.4" depth of the this rackmount chassis supports a variety of industry standard backplanes up to and including 20-slot form factors. PICMG 1.3 system host board or PICMG 1.0 single board computer options are supported in this chassis along with several motherboard options including mini-ATX, ATX and SSI-EEB server motherboards.

TRC4005 CHASSIS LAYOUT DRAWING - 20-SLOT BACKPLANE CONFIGURATION:

Left Side View

Top View

Rear View

Front View (inside)

Front View (outside)

TRENTON RACKMOUNT COMPUTER: TRC4005

CHASSIS MODEL	DESCRIPTION
TRC4005	4U rackmount chassis that features internal hard drive bays, multiple media bays, supports industry standard 14-slot and 20-slot backplanes

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC4005
DESCRIPTION	4U rackmount chassis with a 26.4" depth that features 20-slot & 14-slot backplane support, internal hard drive bays and multiple media bays
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Heavy Duty Steel
COLOR	Black
VERSION	19" Rackmount, 20-slot Passive backplane
PICMG 1.3 BACKPLANE OPTIONS	20-slot - Trenton BPX6806, BPX6571, BPX3/14 and other industry standard PICMG 1.3, 20-slot backplanes 14-slot - Trenton BPX6620, BPX6610, BPX3/8, other industry standard PICMG 1.3 14-slot and Trenton small form-factor backplane support
PICMG 1.0 BACKPLANE OPTIONS	20-slot - Trenton BP3/16-64, BP3/16 and other industry standard PICMG 1.0, 20-slot backplanes 14-slot - Trenton BP1/1/2/4/4, BP3/2/4/4, BP3/10, BP7/6 and other industry standard PICMG 1.0, 14-slot backplanes
PICMG 1.3 SHB OPTIONS	Dual-Processor PICMG 1.3 SHBs - Trenton MCXT-Series, MCGT-Series, SLT, NLT and other industry standard PICMG 1.3 SHBs Single-Processor PICMG 1.3 SHBs - Trenton TQ9, TML, MCXI-Series, MCGI-Series, SLI, NLI, T4L and other industry standard PICMG 1.3 SHBs
PICMG 1.0 SBC OPTIONS	Single-Processor PICMG 1.0 SBCs - Trenton MX8, T4R, T4G, T4I and other industry standard PICMG 1.0 SBCs
MOTHERBOARD OPTIONS	Dual-Processor SSI-EEB Server Motherboards such as the upcoming Trenton NTM6900, mini-ATX and ATX form factor motherboards
DRIVE BAYS	20-slot backplane system configuration: 2 - 3.5" HDD bays, 3 - 5.25" Device bays and 1 - 3.5" FDD bay 14-slot backplane system configuration: 10 - 3.5" HDD bays and 5 - 5.25" Device bays
POWER SUPPLY	Front access, PS/2 700W for 20-slot backplane configurations, AC-DC and DC-DC supply options, other power supply options are available
COOLING	4 - Hot Swap, 9.2cm Ball Bearing Fans, 51CFM each, other system fan options are available
INDICATORS	LEDs for Power ON/OFF and HDD Active
SWITCH	System Power ON/OFF
HOLD DOWN BAR	Flexible hold down bar for the SHB/SBCs and the option cards for added security in high vibration enviornments
AIR FILTER	Easy access in the chassis drop-down front door for cleaning and maintenance
METRIC DIMENSIONS	48.3cm (W) x 17.8cm (H) x 67.1cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 7.0" (H) x 26.4" (D)

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. Preliminary estimates and final validated values are provided by Trenton for each rackmount computer system we build.

NOTE: The chassis photos are shown for illustrative purposes only. See the Trenton website for chassis layout drawings and the latest system configuration options.

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