Trenton TRC6001 Rackmount System
Shown with a 20-segment PCI Express backplane and one SBC

FEATURES

- **Multi-core processor board configurations support SBCs, SHBs and motherboards**
- **System configurations available with single- or dual-processor boards**
- **Supports 20-slot PICMG® backplanes**
- **Options include support for sixteen PCI-X or eighteen PCI Express® full-length cards**
- **CE-compliant system performance in a telecom chassis design**
- **Rear access, redundant power supply options**
- **Multiple HDD and media drive configuration options**
- **HDD drive carrier options enhance hot-swap RAID applications**
- **Front-panel status LEDs and front-access USB ports**
- **Long-life, high-performance and hot-swappable system fans**
- **Easy access to system air filters**
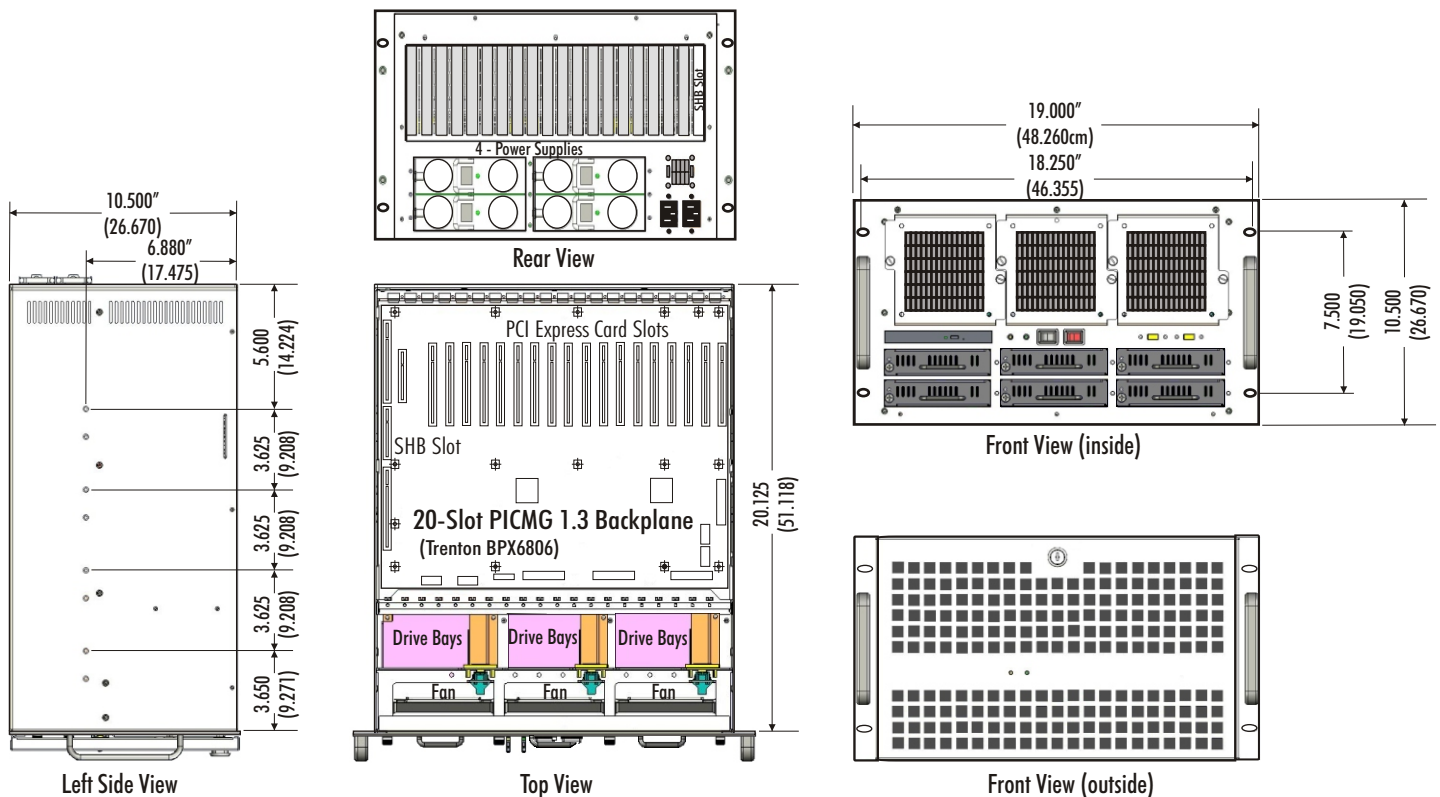
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Engineered For Reliability

TRC6001 OVERVIEW:

The Trenton TRC6001 is a 6U rackmount computer chassis that offers many choices in HDD and media drive bay configurations with system support for 20-slot form factor backplanes. This rackmount system can be configured with a single or dual-processor single board computer to deliver the multi core performance needed in advanced communication systems. A system with a 20-slot backplane can support 16 PCI-X or 18 PCIe telephony cards. See Trenton single board computers or Trenton backplanes for more details on SBC and backplane capabilities.

The TRC6001 rackmount chassis supports front access and removable HDD carrier trays, removable rear-access power supplies, front access and hot swap system fans. These components maximize power delivery and cooling to ensure long-life system reliability with minimal Mean-Time-To-Repair (MTTR) times. 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.

TRC6001 CHASSIS LAYOUT DRAWING - 20-SLOT BACKPLANE CONFIGURATION:

Rear View

Left Side View

Top View

Front View (inside)

Front View (outside)

TRENTON RACKMOUNT COMPUTER: TRC6001

CHASSIS MODEL DESCRIPTION

TRC6001	6U rackmount chassis features removable hard drive bays & power supplies, 20-slot backplane options support 16, PCI-X or 18, PCIe full-lenght cards

TECHNICAL SPECIFICATIONS:

MODEL NAME	TRC6001
DESCRIPTION	6U CE-compliant rackmount chassis with a 20.1" depth supporting 20-slot backplane options with full-length cards & multiple HDD & media bays
CHASSIS STANDARD	EIA RS-310C 19" Rackmount Standard
CONSTRUCTION	Lightweight Rugged Aluminum
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 BPC7041, BPC7009, BPX6620, BPX6610, BPX3/8, other standard PICMG 1.3 14-slot and Trenton SFF backplanes
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 JXT7031, MCXT-Series, MCGT-Series, SLT, NLT and other industry standard PICMG 1.3 SHBs Single-Processor PICMG 1.3 SHBs - Trenton JXTS7031, TQ9, TML, MCXI-Series, MCGI-Series, SLI, NLI, T4L and other industry standard 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	6 - Front access, 3.5", hot swap, HDD bays, 1 - Slim DVD device bay for media
POWER SUPPLY	2U 3+1 Redundant hot swap power supplies are rear-mounted and provide a total of 910W
COOLING	3 - Front Access, Hot Swap, 12cm Ball Bearing Fans, 140CFM each, other system fan options are available
INDICATORS	LEDs for Power ON/OFF, HDD Active
SWITCH	System Power ON/OFF, System Reset
HOLD DOWN BAR	Flexible hold down bar for the SHB/SBCs and the option cards for added security in high vibration enviorments
AIR FILTER	Easy access in the front door for cleaning and maintenance
METRIC DIMENSIONS	48.3cm (W) x 26.7cm (H) x 51.1cm (D)
ENGLISH DIMENSIONS	19.0" (W) x 10.5" (H) x 20.1" (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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