



**TRENTON
SYSTEMS**
Rugged Computers

TMS4710
Military Chassis

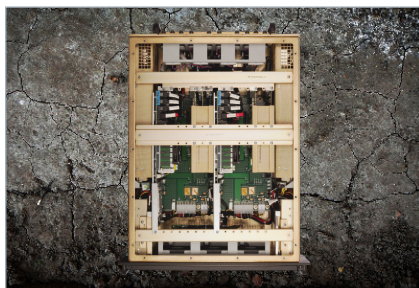
4U - 23" DEPTH - 2 PROCESSOR BOARDS IN 1 SYSTEM

Combat extreme shock, vibe, and temp fluctuations with ease

Built like a tank

Whether you decide to install a single or dual processor SBC combo, the TMS4710 protects all internal components with robust hold-down bars in a corrosion-resistant aluminum enclosure. This US-made rugged military chassis comes equipped with 2 front-access 3.5" drive bays and 2 slim-line optical media bays.

PRODUCT DETAILS



Up to 12 PCIe Slots

Enhance system design flexibility with backplane options supporting lots of PCIe 3.0 Option Cards.



MIL-STD Certified

Rugged to withstand up to **40G** shock and certified for MIL-STD-810G and MIL-STD-461F.



520W PSU per SBC

Each SBC comes equipped with its dedicated 520W power supply - no need to share wattage.



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Phone: (770) 287-3100

Email: sales@trentonsystems.com

TMS4710 MILITARY CHASSIS

TECH SPECS

Model Number

TMS4710

Board Type

One single or dual-processor system host board and one small form factor shoebox backplane per TMS4710 system segment. Two total SHBs and backplanes.

Environmental

Temperature: -10° C to 50° C (operating) and -40° C to 70° (storage)

Humidity: 5% to 90% non-condensing

Shock: 40G (operational)

Altitude: Tested to MIL-STD-810G, Method 500.5, Procedure II, 15,000' (4,570m) for 1hr. after stabilization (operational & storage)

Drive Bays

1 – Front access drive bay configured to support 1 – 2.5" front removable/hot swap SDD or HDD

1 – Internal drive bay configured to support 1 – 2.5" SDD or HDD

1 – Slim-line optical media bay

Construction

Lightweight, rugged aluminum with corrosion-resistant Iridite coating (MIL-DTL-5541 Type 1 Class 3 Gold)

Chassis Standard

EIA RS-310C 19" Rackmount Standard

Power Supply

Each SHB segment is driven by its own independent, 115-240VAC, 50-400Hz, 520W power supply. The power supplies are rear-accessible, slide in/out modules.

Cooling

3 – 92mm front access 120CFM, and 4 – 25.4mm rear access 60CFM system fans each with chassis temperature monitoring speed control

Front Panel

LEDs for Power and Cooling Fan Status & Switches for Power On, Reset and PS ALARM silence.

Hold-Down Bar

Robust hold down bar for the SHB/SBCs and the option cards for added security in high vibration environments

Air Filter

The front chassis door and the rear access fan cover both provide tool-less access to the front and rear system filters for easy cleaning and maintenance

Dimensions

19.0" (W) x 7.0" (H) x 23.0" (D)

48.3cm (W) x 17.8cm (H) x 58.4cm (D)



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