



Reliable Industrial Computer

TR-587

TR-587 1U Half Fanless Rack Mount Computer

Features

- Reliable industrial 1U rack mount computer for Windows 10, 8.1, 7, VISTA, XP, 2000, DOS 6.22, LINUX and QNX.
- Intel Dual ATOM 1.8GHz D525 64-bit processor with hyperthreading and Integrated Intel ICH8M chipset with enhanced graphics.
- 1U half fanless enclosure optimized for thermal stability of the system.
- 0 ~ 60°C operating temperature with full software load .
- Up to 4GB DDR3 high temperature memory.
- Multiple I/O functions - 6 x USB 2.0, 1 x SVGA, 1 x HDMI , 2 x LAN, 2 x COM, 1 x LPT, PS/2 keyboard/ mouse and 2 x audio ports.
- High speed MLC or SLC industrial flash SATA drive 120GB with S.M.A.R.T. and SUPERCAP features or server-class SATA 3.5" 1TB hard drive.
- Optional RAID1 disk system with 2 x 2.5" 500GB SATA hard drives.
- Optional TR-MACRIUM backup kit.
- Warranty 5 years with telephone service support for life.
- MTBF is in excess of 100,000 work hours.

TRANSDUCTION

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TR-587

Specifications

Model

- TR-587 industrial half fanless rack mount computer with Intel Dual ATOM 1.8GHz CPU

Processor

- Intel Dual ATOM D525 1.8GHz 64-bit processor
- Hyperthreading support with passive heatsink, no air fan

Chipset

- Intel ICH8M with enhanced graphics

BIOS

- Award PnP Ver. 6.0

Memory

- SO-DIMM DDR3 4GB

Ethernet

- 2 x Realtek RT8111E Gigabit LAN
- External RJ-45 connectors

Display

- Intel GMA3150 Graphic Engine interface, SVGA & HDMI connectors for external monitor with independant (extended desktop) display capability

Disk I/O

- 2.5" SATA high speed MLC or SLC industrial flash 120GB with S.M.A.R.T and SUPERCAP features or server-class SATA 3.5" 1TB hard drive
- Optional RAID1 disk system with 2 x 2.5" 500GB SATA hard drives

Audio

- Realtek ALC888 high definition

I/O Ports

- 1 x HDMI port
- 1 x SVGA port
- 4 x rear USB 2.0 and 2 x front USB 2.0 ports
- 1 x parallel printer port
- 2 x COM ports
- PS/2 keyboard/mouse

Watchdog Timer

- System reset programmable watchdog timer with 1 ~ 255sec time-out value

Operating Temperature

- 0 ~ 50°C (32 ~ 122°F)
- 0 ~ 60°C (32 ~ 140°F) for 2 hours

Storage Temperature

- -20 ~ 85°C (-4 ~ 185°F)

Shock & Vibration

- Shock - 25G, Vibration - 5G

Humidity

- Relative humidity 10 ~ 90%, non-condensing
- Storage: Relative humidity 45% max. non-condensing

Power

- Power consumption @ full software load - 40W
- 90-250VAC ~ 50/60Hz 60W internal 12VDC power adapter
- Optional 125VDC and 250VC input power

Cooling

- 2 x redundant 50% slowed down ball bearing air fans

Dimensions & Weight

- 1U 1.75" (undersized) (H) X 9.0" (D) X 19" (W) rack mount (17" behind the "ears")
- Weight - 5.51lbs (2.5kg)

Compatible with Windows 10, Windows 8.1, Windows 7, Windows VISTA, Windows XP, Windows 2000, DOS 6.22, QNX, LINUX 2.4.16 or above

Warranty: 5 years

Options

- Server-class SATA 3.5" 1TB hard drive
- Industrial MLC or SLC flash 120GB drive
- RAID1 disk system with 2 x 2.5" 500GB SATA hard drives
- Universal AC 90-250VAC power supply
- 125VDC (90 to 150V) power supply
- 250VDC (200 to 275V) power supply
- 400 Hz AC power option
- TR-MACRIUM backup kit