

Transduction

Intel Dual ATOM 1.8GHz Processor

TR-5197 Optimized for Windows 7 O/S but works OK with Windows XP

TR-5197 Half-Fanless Industrial PC w/ Touch Screen



Panel Mount



Rack Mount

Features

- Operating range 0 - 60°C with 100% software load.
- Intel Dual ATOM 1.8GHz D525 64-bit processor.
- 19" TFT LCD touch screen with resolution 1280 x 1024.
- SVGA and HDMI connectors for external monitor with independent (extended desktop) display capability.
- Panel mount (PM) enclosure with NEMA 4 baked epoxy finish and neoprene gasket.
- 4GB DDR3 SO-DIMM memory.
- High speed, high temperature MLC or SLC flash SATA drive 120GB with S.M.A.R.T. and SUPERCAP features.
- System reset programmable watchdog timer, 1-255sec.
- 2 x Realtek RT8111E Dual Gigabit LAN.
- 4 x USB and 2 x Serial ports (optional up to 4 isolated RS-232 or RS-422/485 ports).
- Optional time sync IRIG A/B BNC port.
- Optional Armour Touch glass screen.
- Optional Fieldbus, Profibus and DeviceNet ports.
- Rectangular panel cut-out - easy mount clips, replaces Allen-Bradley PC.
- MTBF>100,000 hours, limited by LCD backlight.
- 5 year warranty.

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TR-5197 Half-Fanless Industrial PC w/ Touch Screen

Specification

Model

- TR-5197 NEMA 4 industrial half fanless panel/rack computer with 19" LCD touch screen

Processor

- Intel Dual ATOM D525 1.8GHz 64-bit with hyperthreading support with speed controlled air fan heatsink

Chipset

- Intel ICH8M with enhanced graphics

BIOS

- Award PnP Ver. 6.0

TFT LCD Display

- Resolution - 1280 x 1024 (SXGA)
- Backlight MTBF - 50,000 hours
- Contrast Ratio - 750:1
- Brightness - 300cd/m²
- Resistive touch screen

Memory

- DDR3 SO-DIMM 4GB

Ethernet

- 2 x Realtek RT8111E Gigabit LAN
- External RJ45 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
- External SLIM CD-R/W-DVD USB drive is included

Audio

- Realtek ALC888 high definition

I/O Ports

- 1 x external RS-232 serial port and 1 x RS-232/422/485 serial port with 16C550 compatible UART's and 16-byte FIFO

- 1 x parallel printer port
- 4 x USB 2.0 ports with 480Mbps transfer rate

Watch-Dog 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 and Vibration

- Shock - 25G, Vibration - 5G

Humidity

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

Power requirement

- 55 Watts
- Input voltage - 100 ~ 240VAC @ 50/60Hz, optional 400Hz
- Optional DC input power - 24V, 48V, 125V and 250V
- MTBF > 100,000 hours

Dimensions

- 17.75" (W) X 15.25" (H) x 4.5" (D)
- Rack mount version is 8U high

Compatible with Windows 8.1, Windows 7, Windows Vista, Windows XP, Windows 2000, QNX and Linux kernel 2.4.16 or above

Ordering Information

TR-5197-PM - Panel mount version
TR-5197-RM - Rack mount version

Warranty: 5 years

Options

- 24V, 48V, 125V and 250V DC power input
- IRIG A/B time sync with BNC
- Up to 4 x isolated RS232 or RS422/485 serial ports
- ArmourTouch glass touch screen.
- Fieldbus, Profibus and DeviceNet ports