

Transduction

Intel ATOM 1.6GHz Processor

TR-5195F

TR-5195F Fanless Industrial PC w/ Touch Screen



Features

- Intel ATOM 1.6GHz N270 processor.
- 19" TFT LCD touch screen with resolution 1280 x 1024.
- Enclosure with NEMA 4 epoxy finish with IP65 ratings.
- 2GB DDR2 533MHz memory.
- High speed, high temperature flash SATA SSD 64 ~ 512GB with S.M.A.R.T. and SUPERCAP features.
- System reset programmable watchdog timer, 1-255sec.
- 2 x Realtek RT8111C 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.
- Rectangular panel cut-out - easy mount clips.
- Operating temperature range 0°C - 50°C , 60°C for 2 hours at 100% system load.
- IEEE 1613 Class 2 Station Computer Compliance. CE tested with AC electrical safety approval.
- MTBF>50,000 hours, limited by LCD backlight.
- 5 year warranty.

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Specification

Model

- TR-5195F NEMA 4 (IP65) industrial fanless panel/rack computer with 19" LCD touch screen

Processor

- Intel ATOM N270 1.6GHz with hyperthreading support
- No processor air fan

Chipset

- Intel 945GSE and ICH7M

BIOS

- Award PnP Ver. 6.0

TFT LCD Display

- Resolution - 1280 x 1024 (SXGA)
- Backlight MTBF - 150,000 hours
- Contrast Ratio - 750:1
- Brightness - 300cd/m²
- Resistive touch screen

Memory

- DDR2 533MHz 2GB

Ethernet

- 2 x Realtek RT8111C Gigabit LAN
- External RJ45 connectors

Display

- Intel GMA950 Graphic Engine interface, DB15 SVGA connector

Disk I/O

- Optional SLIM CD-R/W-DVD
- 2.5" SATA high speed flash 64GB ~ 512GB or 2.5" SATA hard drive

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 high speed USB 2.0 ports with 480Mbps transfer rate
- Optional BNC IRIG A/B port
- Optional up to 4 x isolated RS-232 or RS-422/485 serial ports

Watch-Dog Timer

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

Operating Temperature

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

Storage Temperature

- -20 ~ 85°C (-4 ~ 185°F)

Shock and Vibration

- Shock - 25G, Vibration - 5G

Humidity

- Relative humidity 10 ~ 95%, non-condensing
- Storage: Relative humidity 45% max. non-condensing

Power requirement

- Input voltage - 100 ~ 240VAC @ 50/60Hz
- Optional DC input power - 24V, 48V, 125V and 250V
- MTBF > 150,000 hours
- UL/cUL approved

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-5195F - Includes 1.6GHz ATOM CPU, 2GB memory and 2.5" SSD or SATA hard drive

Warranty: 5 years