



Features

- Intel Quad-core Bay Trail 2.4GHz processor with no processor fan.
- 19" TFT LCD resistive touch screen with resolution 1280 x 1024.
- Enclosure with NEMA 4 epoxy finish.
- 8GB DDR3 1333MHz memory.
- High speed, high temperature flash SATA SSD 60 ~ 512GB or 2.5" 500GB SATA hard drive.
- System reset programmable watchdog timer, 1-255sec.
- 2 x Intel i210-AT Dual Gigabit LAN ports.
- 4 x USB 2.0, 1 x USB 3.0 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>100,000 hours
- 5 year warranty.

TR-5196F

TR-5196F Fanless Industrial PC w/ Touch Screen

Specification

Model

- TR-5196F industrial fanless panel/rack computer with 19" LCD touch screen

Processor

- Intel Quad-core Bay Trail 2.4GHz
- No processor air fan

BIOS

- AMI

TFT LCD Display

- Resolution - 1280 x 1024 (SXGA)
- Contrast Ratio - 750:1
- Brightness - 300cd/m²
- Resistive touch screen

Memory

- Dual channel DDR3L 1066/1333MHz SO-DIMM 8GB

Ethernet

- 2 x Intel i210-AT Gigabit LAN
- External RJ45 connectors

Display

- Intel HD Graphics Engine interface up to 1.7GB shared SDRAM,
- DB15 SVGA connector @ 2560 x 1600
- HDMI port @ 1920 x 1080
- 2 independant displays

Disk I/O

- 2.5" SATA high speed flash 60GB ~ 512GB or 2.5" SATA hard drive
- External USB SLIM CD-R/W-DVD

Audio

- Realtek ALC887 high definition
- 1 x Line IN/OUT/MIC

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
- 4 x USB 2.0 and 1 x USB 3.0 ports
- Optional BNC IRIG A/B port
- Optional up to 4 x isolated RS-232 or RS-422/485 serial ports
- Optional PROFIBUS connector

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 with SSD

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

- Input voltage - 90 ~ 240VAC @ 50/60Hz
- Optional DC input power - 24V, 48V, 125V and 250V
- MTBF > 100,000 hours
- UL/cUL approved

EMI

- FCC Class B compliant

Dimensions

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

Compatible with Windows 10, Windows 7, QNX and Linux kernel 2.4.16 or above

Warranty: 5 years