



# Intel Quad Bay Trail 2.4GHz Processor

**TR-586**

**TR-586 1U Fanless Industrial Rack Mount Computer**

## Features

- Reliable industrial 1U rack mount fanless computer for Windows 10, 8.1, 7, VISTA, XP, 2000, DOS 6.22, LINUX and QNX.
- Intel Quad-core Bay Trail 2.4GHz processor with no processor fan.
- 8GB DDR3 1333MHz high temperature memory.
- High speed MLC or SLC industrial flash SATA 64GB drive or server-class SATA 3.5" 1TB hard drive.
- System reset programmable watchdog timer, 1-255sec.
- 2 x Intel i210-AT Dual Gigabit LAN ports.
- 4 x USB 2.0, 2 x USB 3.0 and 2 x Serial ports.
- Optional RAID1 disk system with 2 x 2.5" SATA flash drives.
- Operating temperature range 0°C - 50°C , 60°C for 2 hours at 100% system load.
- MTBF>100,000 hours
- 5 year warranty.

### TR-586

### TR-586 1U Fanless Industrial Rack Mount Computer

#### Specification

##### Model

- TR-586 industrial 1U fanless rack mount computer

##### Processor

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

##### BIOS

- AMI

##### 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 independent displays

##### Disk I/O

- 2.5" SATA high speed MLC or SLC industrial flash 64GB drive or server-class SATA 3.5" 1TB hard drive
- Optional RAID1 disk system with 2 x 2.5" SATA flash drives
- 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 2 x USB 3.0 ports

##### 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

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

##### EMI

- FCC Class B compliant

##### 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 10, 8.1, 7, VISTA, XP, 2000, DOS 6.22, LINUX kernel 2.4.16 or above and QNX.**

**Warranty:** 5 years

##### Options

- Server-class SATA 3.5" 1TB hard drive
- Industrial MLC or SLC flash 64GB 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