

Transduction

Robust Fanless Panel Mount Computer

TR-595



Features

- ▶ Intel Atom 1.6GHz onboard CPU.
- ▶ Robust fanless and sealed enclosure.
- ▶ Slim 1.4" case with heat dispersing fins.
- ▶ -20 ~ 50°C operating temperature.
- ▶ Supports up to 2GB DDR2 memory.
- ▶ Dual display (CRT + DVI-D).
- ▶ Dual 10/100/1000 Mbps LAN.
- ▶ 4 x USB, 2 x COM ports.
- ▶ SATA HDD or SSD support.
- ▶ Wall or VESA mounting brackets optional.

TR-595 Fanless Industrial PC

TR-595

Specification

Processor

- ▶ Intel Atom 1.6GHz

Chipset

- ▶ Intel 945GSE + ICH7M

BIOS

- ▶ AMIBIOS with 8Mbit BIOS Flash

Memory

- ▶ One 200-pins DDR2 400/533MHz SDRAM DIMM socket. Up to 2GB memory capacity

Ethernet

- ▶ 2 x LAN ports - 10/100/1000 Mbps

Display

- ▶ Intel 945GSE built-in Intel Extreme Graphics Controller

Audio

- ▶ ALC888 HD Codec

Disk I/O

- ▶ 1 x SATA port for HDD or SSD

Front I/O

- ▶ 2 x RS-232/422/485 ports, 1 x VGA and DVI-D

Rear I/O

- ▶ Power switch, 4 x USB 2.0, 2 x LAN and Mic In/Line Out 1/1

Hardware Monitoring

- ▶ Winbond W83627UHG integrated hardware monitor

Watch-Dog Timer

- ▶ 255 level software programmable watchdog timer

Operating Temperature

- ▶ -20 ~ 50°C (-4 ~ 122°F) with full load
- ▶ 0 ~ 40°C (32 ~ 104°F) with 2.5" HDD

Storage Temperature

- ▶ -20 ~ 70°C (-4 ~ 158°F)

Shock

- ▶ CFD: 100g peak acceleration (6msec duration)

Humidity

- ▶ Relative humidity 10 ~ 95%, non-condensing

Form Factor

- ▶ 5.71" (D) x 7.48" (W) x 1.42" (H)

Power requirement

- ▶ DC input +12V, 60W

Weight

- ▶ 2.4lbs

Compatible with Windows XP Embedded, Windows XP 32-bit, Windows 2000, Linux kernel 2.4.16 or above

Ordering Information

TR-595-AC - Fanless embedded system with Intel Atom 1.6GHz CPU, 2.5" SATA SSD or HDD and universal AC power supply

TR-595-DC - Fanless embedded system with Intel Atom 1.6GHz CPU, 2.5" SATA SSD or HDD and 125/250VDC power supply

Warranty: 3 years / 5 years + 10% initial cost