

TR-565F

TR-565F 1U Rack Mount Half Fanless Computer



Reliable half fanless control - network computer

TR-565F control/network computer features a solid state half fanless design. It has no processor fan. The slowed-down, high quality, redundant ball bearing fans, are used to remove heat from the enclosure. It is based on a highly efficient Intel ATOM N270 processor. High speed flash disk drive can be used and/or an optional 2.5" hard drive.

Two 1000 Mbps Gigabit LAN ports are included for flexibility of network and control connections.

TR-565F computer has been designed for a maximum reliability. Warranty is 3 years.

The computer can operate from 100 to 240 VAC and 100 to 275VDC.

This computer features excellent thermal design. Operating temperature range is 0 - 60°C with 100% system load.

Packaged in a small rack mount case (1U, 9" deep), TR-565F is a reliable component for control and network applications.

Base TR-565F systems comes with 1.6GHz Intel ATOM processor, 2GB high temperature memory and high temperature 64GB high speed solid state flash drive.

TR-565FB UPS option provides 1 hour power backup with internal SLA battery, includes two stage SLA charger and 100 nSec UPS switch. Orderly computer shutdown upon battery discharge.

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TR-565F 1U Rack Mount Half Fanless Computer

Specification

Model

- TR-565F industrial half fanless rack mount computer

Processor

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

Chipset

- Intel 945GSE and ICH7M

BIOS

- Award PnP Ver. 6.0

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

- 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

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)

Cooling

- 2 x redundant ball bearing air fans

Shock and Vibration

- Shock - 25G, Vibration - 5G

Dimensions

- 1.75" (H) X 9.0" (D) X 19" (W) rack mount (17" behind the "ears")

Humidity

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

Power requirement

- Input: 100 ~ 240VAC 50 - 60Hz 0.75A - 0.35A
- Output: +16V 2.06A
- Optional DC input 100V ~ 275V

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

Ordering Information

TR-565F- Half fanless embedded system with Intel ATOM 1.6GHz CPU and 2.5" SATA SSD or SATA hard drive

Warranty: 3 years

TR-565FB - UPS option provides 1 hour power backup with internal SLA battery, includes two stage SLA charger and 100 nSec UPS switch. Orderly computer shutdown upon battery discharge.