

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 input power is universal 100 to 240 VAC 60W. Input power options include 125 and 250VDC.

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 32GB high speed solid state flash drive.

TR-565F-UPS 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.

### TR-565F

### 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 32GB ~ 128GB 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

- Universal AC power input 100 ~ 240VAC 60W without fan
- Optional DC input 125V and 250V

##### 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-565F-UPS 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.