

TR-565FB

TR-565FB 1U Half Fanless Rack Mount Computer



Same as model TR-565F with internal UPS and SLA battery for 1 hour backup

TR-565FB features a half fanless design with SLA battery with UPS circuit for 1 hour backup, highly efficient 1.6GHz Intel ATOM processor and high speed flash disk drive can be used and/or optional 2.5" hard drive.

The internal UPS with battery backup eliminates most fatal crashes of the O/S. When the battery is almost exhausted the internal power supply will shutdown Windows O/S in an orderly manner eliminating corruption of disk blocks. When the power returns the system will boot automatically after preset time.

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

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

The computer can operate from 100 to 240 VAC or 100 ~ 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-565FB is a reliable component for control and network applications.

Base price of TR-565FB is US \$1335 for a system that comes with 1.6GHz Intel ATOM processor, 2GB high temperature memory, high temperature and high speed 64GB solid state flash drive and internal UPS with SLA battery for 1 hour.

TR-565FB

Specification

Model

- TR-565FB industrial half fanless rack mount computer w/ internal UPS and battery for backup

Processor

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

Internal UPS

- Automatically switch to battery output when external power is lost
- Switching speed approx. 100nS
- Built-in two stage SLA charger
- Includes battery charge controller to prevent over-charge
- Provides 1 hour backup
- Orderley computer shutdown upon battery discharge

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

Power

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

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

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

Warranty: 3 years