

# Transduction

With S.M.A.R.T. & SUPERCAP

## TR-565FR

TR-565FR 1U Half Fanless Rack Mount Computer



### Same as model TR-565F with dual flash drives in RAID1 configuration

TR-565FR computer features a solid state half fanless design and it includes dual flash drives in RAID1 configuration. It has no processor fan. All data is written on both drives at once so if one drive fails it is possible to replace and automatically restore dual status after drive failure. The high quality, slowed-down, redundant ball bearing fans, are used to remove heat from the enclosure at the reduced rate of air flow. It is based on a highly efficient Intel ATOM 1.6 GHz processor. High speed flash disk drive can be used and/or an optional 2.5" hard drive. Two 1000Mbps Gigabit LAN ports are included for flexibility of network and control connections.

The industrial quality MLC flash drive model TR-T25301 has S.M.A.R.T. and SUPERCAP features.

S.M.A.R.T. feature allows for inspection of the health of the drive and SUPERCAP feature allows the drive to finish write operations in case of sudden loss of power to prevent corruption of files.

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

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

Base price of TR-565FR is US \$1345 for a system that comes with 1.6GHz Intel ATOM processor, 2GB high temperature memory, high temperature and 2 x high speed 64GB solid state flash drives configured in RAID1.

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## TR-565FR

### TR-565FR 1U Half Fanless Rack Mount Computer

#### Specification

##### Model

- TR-565FR industrial half fanless rack mount computer w/ dual flash drives configured in RAID1

##### 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 x 2.5" SATA high speed flash 64GB ~ 512GB or 2 x 2.5" SATA hard drives in RAID1 redundant configuration

##### 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**