

# Transduction

## TR-LCD1500-ITX

## Half-Fanless Industrial PC

### TR-LCD1500-ITX Half-Fanless Rack/Panel PC



#### Features

- ▶ Intel ATOM 1.6GHz N270 processor.
- ▶ 15" TFT LCD touch screen with resolution 1024 x 768.
- ▶ Enclosure with NEMA 4 epoxy finish.
- ▶ Robust design with sealed computer enclosure.
- ▶ 0 ~ 50°C operating temperature with full software load.
- ▶ Supports up to 2GB DDR2 memory.
- ▶ System reset programmable watchdog timer.
- ▶ 2 x Intel 82574L Dual Gigabit LAN.
- ▶ 4 x USB, 2 x COM ports.
- ▶ SATA high speed flash drive up to 128GB.
- ▶ Warranty 3 years.

### TR-LCD1500-ITX

#### Specification

##### Model

- ▶ TR-LCD1500-ITX NEMA 4 industrial half-fanless panel/rack PC with 15" LCD touch screen

##### Processor

- ▶ Intel ATOM N270 1.6GHz
- ▶ No processor air fan

##### Chipset

- ▶ Intel 945GSE

##### TFT LCD Display

- ▶ Resolution - 1024 x 768 (XGA)
- ▶ Backlight MTBF → 150,000 hours
- ▶ Contrast Ratio - 300:1
- ▶ Brightness - 250cd/m<sup>2</sup>
- ▶ Resistive touch screen

##### Memory

- ▶ DDR2 400/533MHz up to 2GB memory capacity

##### Ethernet

- ▶ 2 x Intel 82574 Gigabit LAN
- ▶ External RJ45 connectors

##### Display

- ▶ Intel GMA950 with Extreme Graphics 2 interface, external DB15 connector

##### Green Function

- ▶ Power saving mode includes doze, standby and suspend modes

##### Disk I/O

- ▶ Optional SLIM CD-R/W-DVD
- ▶ 2.5" SATA high speed flash 16GB ~ 128GB or 2.5" SATA hard drive

##### 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
- ▶ 4 x high speed USB 2.0 ports with 480Mbps transfer rate

##### Watch-Dog Timer

- ▶ System reset programmable watchdog timer with 1 ~ 255sec/min time-out value

##### Operating Temperature

- ▶ 0 ~ 60°C (32 ~ 140°F) with SSD
- ▶ 0 ~ 50°C (32 ~ 122°F) with hard drive

##### Storage Temperature

- ▶ -20 ~ 85°C (-4 ~ 185°F)

##### Shock and Vibration

- ▶ Shock - 25G, Vibration - 5G

##### Humidity

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

##### Power requirement

- ▶ Universal AC power input 100 ~ 240VAC, 60W without fan
- ▶ Optional DC input 12V, 24V, 48V, 125V and 250V

##### Compatible with Windows XP, Windows NT, Windows 2000, QNX and Linux kernel 2.4.16 or above

##### Ordering Information

TR-LCD1500-ITX - Half-Fanless embedded system with Intel ATOM 1.6GHz CPU with 512MB cache and 2.5" SATA SSD

**Warranty:** 3 years