

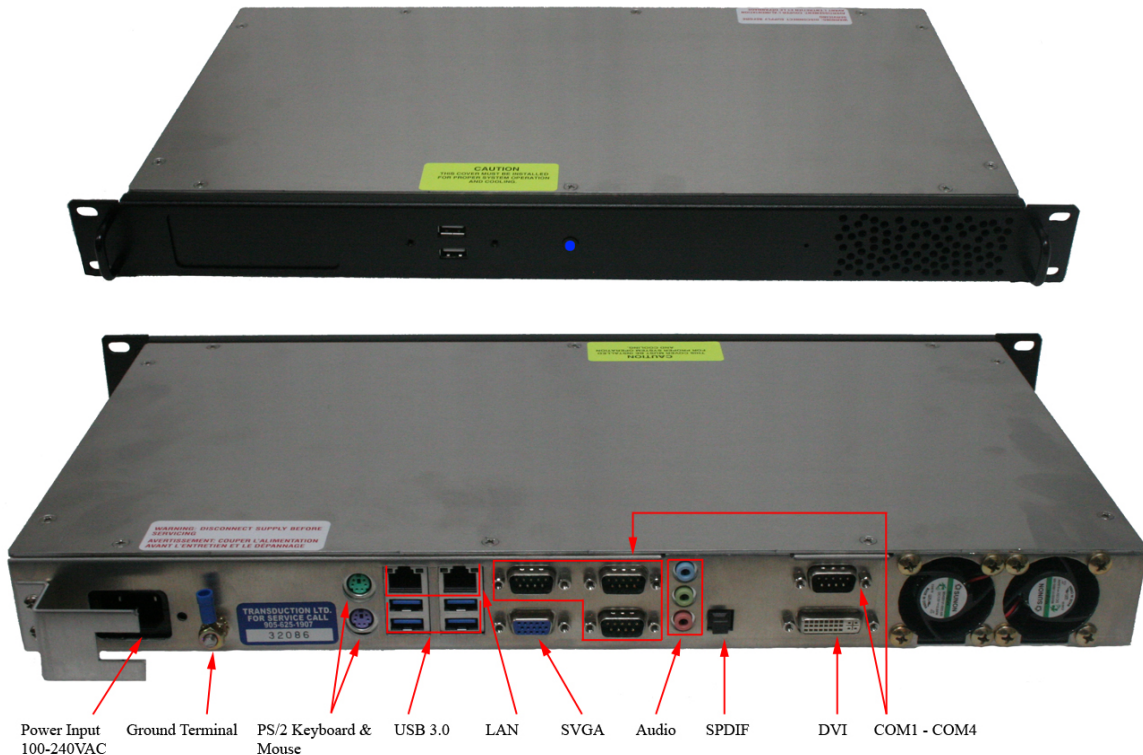
# Transduction

## Reliable Industrial Computer with Intel Mobile i5/i7 Processors

### TR-580

### 5 Year Warranty

TR-580 1U Half Fanless Rack Mount Computer



#### Features

- Intel Core i-Series, i5/i7 mobile processors up to 3.4GHz with 1066/1333/1600MHz FSB.
- 1U half fanless enclosure with no processor fan to fail.
- Integrated Intel QM77 chipset with RTC.
- 0 ~ 50°C operating temperature with full software load, 60°C for 2 hours.
- Dual SODIMM sockets up to 16GB DDR3 1066/1333/1600MHz high temperature memory.
- Multiple I/O functions - 2 x front USB 2.0, 4 x rear USB 3.0, 4 x COM, 1 x DVI , 1 x SVGA, 1 x SPDIF and PS/2 keyboard ports.
- Dual 10/100/1000 LAN ports.
- High speed MLC or SLC industrial flash SATA drive up to 512GB with S.M.A.R.T. and SUPERCAP features or 2.5" hard drive.
- 2.5" RAID1/RAID0 with 2 drives or with TR-MR2 reliable hot swap RAID storage.
- Warranty 5 years with telephone service support for life.
- Manufactured by Transduction in Canada, always in stock.
- MTBF is in excess of 100,000 work hours.

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### TR-580

### 5 Year Warranty

#### Specification

##### Model

- TR-580 industrial half fanless rack mount computer w/ dual drives configured in RAID1

##### Processor

- Intel i5/i7 mobile processor up to 3.4GHz
- No processor air fan

##### Chipset

- Intel QM77 with integrated RTC

##### BIOS

- Phoenix Secucore

##### Memory

- SODIMM DDR3 1066/1333/1600MHz up to 16GB

##### Ethernet

- 1 x Intel 82579LM Gigabit LAN
- 1 x Intel 82574L Gigabit LAN

##### Display

- Intel HD Graphics 4000, SVGA and DVI connectors

##### Disk I/O

- 1 x 3.5" server class hard drive or 2 x 2.5" SATA high speed flash 64GB ~ 512GB or 2 x 2.5" SATA hard drives in RAID0/RAID1 redundant configuration

##### Audio

- Realtek ALC888 high definition

##### I/O Ports

- 3 x RS-232 serial ports and 1 x RS-232/422/485 serial port
- 1 x DB-15 SVGA port
- 1 x DVI port
- 2 front USB 2.0, 4 x rear high speed USB 3.0 ports
- 1 x SPDIF port
- PS/2 keyboard and mouse ports

##### Watch-Dog Timer

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

##### Power

- 9 - 24VDC
- 100-240VAC ~ 50/60Hz 60W internal 12VDC power adapter
- Optional 24VDC, 48VDC, 100VDC, 125VDC and 250VC input power

##### 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)

##### Humidity

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

##### Cooling

- 2 x redundant slowed down ball bearing air fans
- Optional washable air filter

##### Compliance

- UL/CSA, FCC Class B and CE

##### Shock & Vibration

- Shock - 25G, Vibration - 5G

##### MTBF

- > 100,000 hours

##### Dimensions

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

**Compatible with Windows 7/Vista/XP, Windows 2000, QNX and Linux kernel 2.4.16 or above**

**Warranty: 5 years**