

TPC-68T

Intel® XScale Touch Panel Computer with 5.6" QVGA TFT LCD Display and CAN-bus Support

NEW



Features

- Intel® XScale PXA processor on board
- 5.6" color TFT LCD
- Super slim and compact design with plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Built-in flash memory and Windows® CE OS
- One CompactFlash® slot
- Automatic data flow control RS-485
- CAN-bus 2.0B protocol compatibility

Introduction

The TPC-68T models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. They have 5.6" TFT LCD display which is a cost effective choice for a limited budget. Its RISC kernel, the Intel XScale PXA processor consumes minimum power without sacrificing performance. The TPC-68T has 10/100Base-T Ethernet port offering solid communication ability and comes bundled with a Windows CE OS that supports Thin-Client solutions. The built-in Windows CE OS platform lets TPC-68T become an Open HMI solution for system integration.

Specifications

General

- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
- **Enclosure** ABS
- **Mounting** Panel
- **OS Support** Built-in Windows CE
- **Power Consumption** 20 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** Programmable as 250 ms, 500 ms, 1 second
- **Weight (Net)** 0.8 kg (1.76 lb)

System Hardware

- **CPU** Intel XScale PXA270 416 MHz
- **Expansion Slots** 1 x CompactFlash slot
- **Graphics Controller** Controlled by CPU
- **LAN** 1 x 10/100Base-T
- **Memory** 64 MB SDRAM on board
- **Serial Ports** 1 x full RS-232
1 x CAN-Bus 2.0b/ RS-485
- **Storage** 64 MB Flash memory on board
1 x CompactFlash card (optional)
- **USB Ports** 2 x USB 1.1 (one host, one client)
- **CAN Port** 1 x Isolated CAN 2.0B Interface
CAN Controller: SJA-1000
CAN Transceiver: 82C250

LCD Display

- **Backlight Life** 30,000 hrs
- **Contrast Ratio** 400:1
- **Display Size** 5.6"
- **Display Type** TFT LCD
- **Luminance (cd/m²)** 500
- **Max. Colors** 64 K
- **Max. Resolution** 320 x 236
- **Pixel Pitch (H x V)** 0.36 x 0.36 mm
- **Viewing Angle (H/V)** 100/60

Touchscreen

- **Type** 4-wire, analog resistive
- **Resolution** 1024 x 1024
- **Light Transmission** Above 75%
- **Lifespan** 10 millions times with a silicone rubber of 8 mm diameter finger

Environment

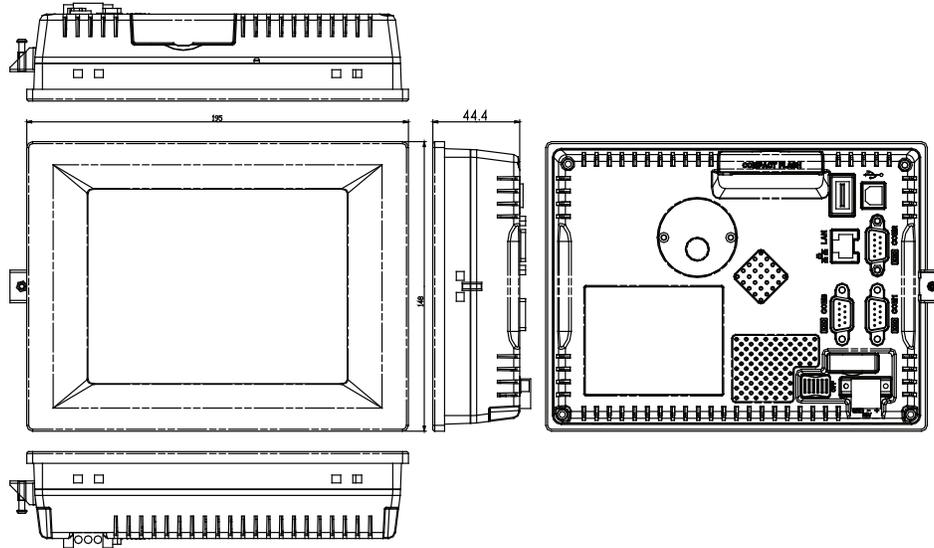
- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Vibration Protection** 1 Grms (Random, Operating)

Ordering Information

- **TPC-68T-E2E** 5.6" color TFT LCD Display TPC with PXA270 416 MHz CPU, 64 MB DRAM/64 MB flash on board and Windows CE5.0

Dimensions

Unit: mm



Panel Cut-out Dimensions: 188.4 x 141.4 mm

Rear View

TPC-68T

