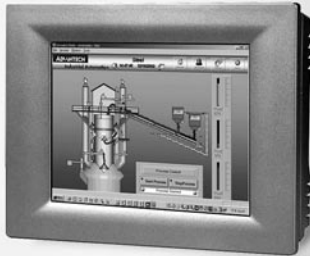# TPC-66SN
TPC-66T

5.7" QVGA CSTN LCD XScale PXA270 Touch Panel Computer

5.7" QVGA TFT LCD XScale PXA270 Touch Panel Computer

NEW

Features

- Intel® XScale PXA processor on board
- 5.7" QVGA 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

Introduction

The TPC-66 models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. They have 5.7" 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-66 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-66 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** Windows CE 5.0 (English Version)
- **Power Consumption** 12 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** TPC-66SN: Intel PXA270 416MHz
  TPC-66T: Intel PXA270 312MHz
- **Memory** 64MB on board SDRAM
- **LAN** 10/100Base-T x 1
- **Storage** 64 MB MDOC on board
  CompactFlash® slot x 1 (GPIO)
- **I/O** TPC-66SN: Full RS-232 x 2 (COM1,2)
  4-pin RS-232/RS-485 x 1 (COM3) with auto data flow control
  USB 1.1 Host x 1
  USB 1.1 Client x 1
  TPC-66T: Full RS-232 x 2 (COM1, 2)
  RS-485 x 1 (COM3) with auto data flow control
  USB 1.1 Client x 1

LCD Display

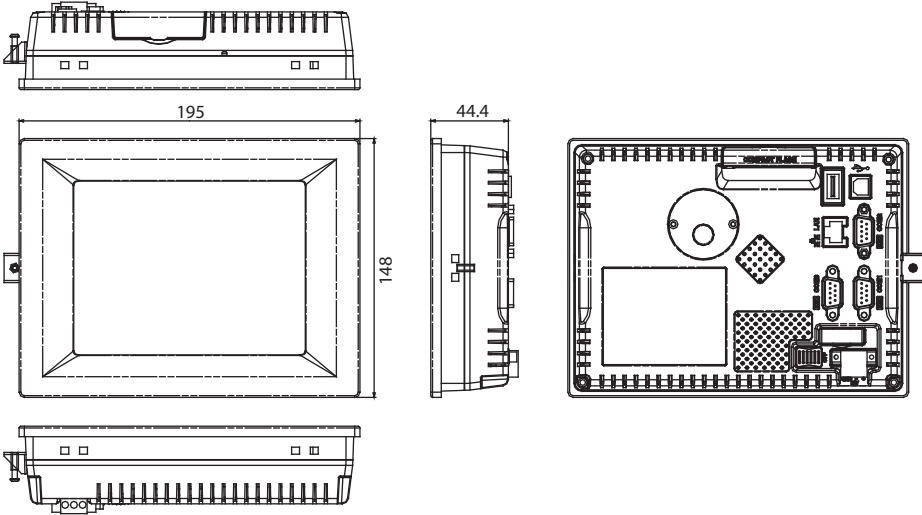|	TPC-66SN	TPC-66T
Display Type	QVGA CSTN LCD	QVGA TFT LCD
Display Size	5.7"	5.7"
Max. Resolution	320 x 240	320 x 240
Max. Colors	64 K	64 K
Luminance (cd/m²)	400	300
Viewing Angle (H/V)	100/55	140/120
Backlight Life	60,000 hrs	30,000 hrs
Contrast Ratio	55:1	500:1

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 (5 ~ 500 Hz) (Operating, random vibration)

Dimensions

Unit: mm

195

148

44.4

Panel Cut-out Dimensions: 188.4 x 141.4 mm

Ordering Information

- **TPC-66T-E2BE**   5.7" QVGA Touch Panel PC, PXA270 312 MHz, 64 MB
- **TPC-66SN-E2AE**   5.7" QVGA Touch Panel PC, PXA270 416 MHz, 64 MB
- **PWR-247-AE**   24 V 50 W AC-DC Power Adapter

Rear View

TPC-66T

CompactFlash

USB 1.1 Client (TPC-66SN)

COM2 (RS-232)

COM1 (RS-232)

Fuse (3.15A)

Power Receptor

Power Switch

USB 1.1 Host

COM3 (RS-485)

LAN (10/100)