# TPC-66SN TPC-66T/68T

# 5.7" QVGA CSTN LCD XScale PXA270 Touch Panel Computer 5.6" QVGA TFT LCD XScale PXA270 Touch Panel Computer with CAN-bus



#### **Features**

- Intel® XScale PXA processor on board
- 5.7" QVGA color STN 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 supported (TPC-68T)





### Introduction

The TPC-66S models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. They have 5.7" STN 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-66S 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-66S 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 Mount
 OS Support Windows CE 5.0/4.2
 Power Consumption TPC-68T: 15 W (typical)

■ Power Input 18 ~ 32 V<sub>DC</sub>

• 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
 LAN 1 x 10/100Base-T
 Memory 64 MB SDRAM on board
 Serial Ports 2 x full RS-232

1 x 4-pin RS-232/485 (TPC-66SN/66T) 1 x CAN-Bus 2.0b/RS-485 (TPC-68T)

Storage 64 MB Flash memory on board
 USB Ports 2 x USB 1.1 (one host, one client)
 CAN Port TPC-68T: 1 x Isolated CAN 2.0B interface

CAN Controller: SJA-1000 CAN Transceiver: 82C250

#### **LCD Display**

	1PC-668N	170-661/681
<ul> <li>Display Type</li> </ul>	QVGA CSTN LCD	QVGA TFT LCD
<ul><li>Display Size</li></ul>	5.7"	5.6"
<ul><li>Max. Resolution</li></ul>	320 x 240	320 x 234
<ul><li>Max. Colors</li></ul>	64 K	64 K
<ul> <li>Luminance cd/m²</li> </ul>	400	500
<ul> <li>Viewing Angle (H/V°)</li> </ul>	100/55	100/60
<ul> <li>Backlight Life</li> </ul>	60,000 hrs	50,000 hrs
<ul> <li>Contrast Ratio</li> </ul>	55 : 1	400 : 1

#### **Touchscreen**

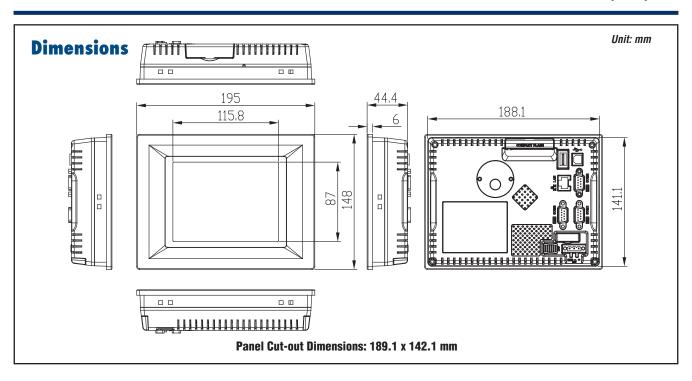
•	Lifespan	10 millions times with a silicone rubber of 8 mm diameter finger
•	Light Transmission	Above 75%
	Resolution	Linearity

■ **Type** 4-wire, analog resistive

#### **Environment**

Humidity
 10 ~ 95% RH @ 40° C, non-condensing

Ingress Protection
 Operating Temperature
 Storage Temperature
 Vibration Protection
 Front panel: NEMA4, IP65
 0 ~ 50° C (32 ~ 122° F)
 -20 ~ 60° C (-4 ~ 140° F)
 1 Grms (Random, Operating)



# **Ordering Information**

■ TPC-66SN-E2AE

■ TPC-66T-E2AE

■ TPC-68T-E2AE

■ PWR-247-AE

5.7" QVGA CSTN LCD with Intel PXA270, 416 MHz CPU, 64 MB DRAM, WinCE 5.0 5.6" QVGA TFT LCD with Intel PXA270, 416 MHz CPU, 64 MB DRAM, WinCE 5.0 TPC-66T-E2E with CAN-bus Support

24 V 50 W AC-DC Power Adapter

## **Rear View**

#### TPC-66SN/66T/68T

