TPC-66SN TPC-66T/68T

5.7" OVGA CSTN LCD XScale PXA270 **Touch Panel Computer** 5.6" OVGA 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-66SN/66T: 12 W (typical) TPC-68T: 15 W (typical)

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 1 x 10/100Base-T LAN 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)

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

CAN Controller: SJA-1000 CAN Transceiver: 82C250

LCD Display

	1PC-668N	1661/681
 Display Type 	QVGA CSTN LCD	QVGA TFT LCD
Display Size	5.7"	5.6"
Max. Resolution	320 x 240	320 x 234
Max. Colors	64 K	64 K
 Luminance cd/m² 	400	500
 Viewing Angle (H/V°) 	100/55	100/60
 Backlight Life 	60,000 hrs	50,000 hrs
 Contrast Ratio 	55:1	400 : 1

Touchscreen

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

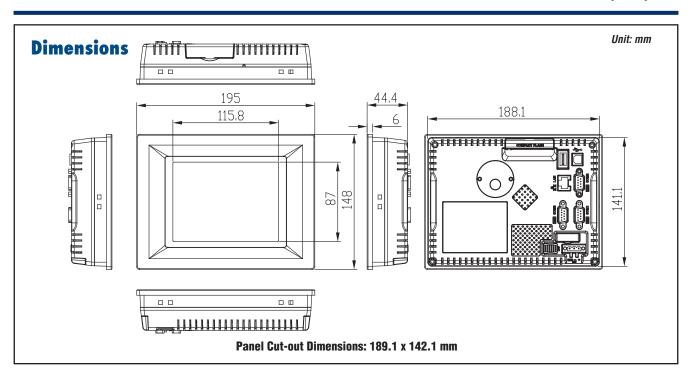
Resolution Linearity

Type 4-wire, analog resistive

Environment

 Humidity $10 \sim 95\%$ RH @ 40° C, non-condensing

Ingress Protection Front panel: NEMA4, IP65 • Operating Temperature $0 \sim 50^{\circ} \text{ C} (32 \sim 122^{\circ} \text{ F})$ Storage Temperature -20 ~ 60° C (-4 ~ 140° F) Vibration Protection 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

