# TPC-66SN TPC-66T

# 5.7" QVGA CSTN LCD XScale PXA270 Touch Panel Computer

5.7" QVGA TFT LCD XScale PXA270 Touch Panel Computer



### **Features**

- Intel<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> CE OS that supports Thin-Client solutions. The built-in Windows<sup>®</sup> CE OS platform lets TPC-66 become an Open HMI solution for system integration.

# **Specifications**

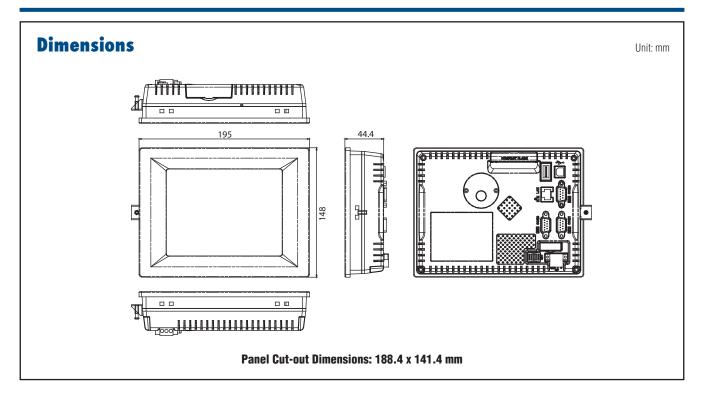
#### General

•	Certifications	BSMI, CCC, CE, FCC, UL			
•	Cooling System	Fanless design			
•	Dimensions (W x H x D)	195 x 148	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 <sub>DC</sub>			
•	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 <sup>®</sup> 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

LUU Display			
	TPC-66SN	TPC-66T	
<ul> <li>Display Type</li> </ul>	QVGA CSTN LCD	QVGA TFT LCD	
<ul> <li>Display Size</li> </ul>	5.7"	5.7"	
<ul> <li>Max. Resolution</li> </ul>	320 x 240	320 x 240	
<ul> <li>Max. Colors</li> </ul>	64 K	64 K	
<ul> <li>Luminance (cd/m<sup>2</sup>)</li> </ul>	400	300	
<ul> <li>Viewing Angle (H/V)</li> </ul>	100/55	140/120	
<ul> <li>Backlight Life</li> </ul>	60,000 hrs	30,000 hrs	
<ul> <li>Contrast Ratio</li> </ul>	55:1	500:1	
Touchscreen			
<ul> <li>Type</li> </ul>	4-wire, analog resistive		
<ul> <li>Resolution</li> </ul>	1024 x 1024		
<ul> <li>Light Transmission</li> </ul>	Above 75%		
<ul> <li>Lifespan</li> </ul>	10 millions times with a silicone rubber of 8 mm diameter finger		
Environment			
<ul> <li>Humidity</li> </ul>	10 ~ 95% RH @ 40° C, non-condensing		
Ingress Protection	Front panel: NEMA4, IP65		
<ul> <li>Operating Temperature</li> </ul>	0 ~ 50° C (32 ~ 122° F)		
<ul> <li>Storage Temperature</li> </ul>	-20 ~ 60° C (-4 ~ 140° F)		
<ul> <li>Vibration Protection</li> </ul>	1 Grms (5 ~ 500 Hz)		
	(Operating, random vibration)		

# TPC-66SN TPC-66T



# **Ordering Information**

## **Rear View**

TPC-66T-E2BE

- 5.7" QVGA Touch Panel PC, PXA270 312 MHz, 64 MB
- TPC-66SN-E2AEPWR-247-AE
- 5.7" QVGA Touch Panel PC, PXA270 416 MHz, 64 MB 24 V 50 W AC-DC Power Adapter

TPC-66T

