

TPC-66SN

5.7" QVGA CSTN LCD XScale PXA270 TPC



Features

- Intel® XScale PXA processor onboard
- 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 that have been designed for small-sized operator interface applications. They have a 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 a 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 the TPC-66 become an Open HMI solution for system integration.

Specifications

General

- Certifications BSMI, CCC, CE, FCC, UL
- Cooling System Fanless design
- Dimensions (WxHxD) 7.68" x 5.83" x 1.75"
- Enclosure ABS
- Mounting Panel
- OS Support Windows® CE 5.0 (English Version)
- Power Consumption 12W
- Power Input 18 ~ 32 VDC
- 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
- Memory 64MB on board SDRAM
- LAN 10/100Base-T x 1
- Storage 64MB MDOC on board
- 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

LCD Display

- Display Type QVGA CSTN LCD
- Display Size 5.7"
- Max Resolution 320 x 240
- Max Colors 64 k
- Luminance (cd/m2) 400
- Viewing Angle (H/V) 100/55
- Backlight Life 60,000 hrs
- Contrast Ratio 55:1

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 @ 40C, non-condensing
- Ingress Protection Front panel: NEMA4, IP65
- Operating Temp 0 ~ 50C
- Storage Temp -20 ~ 60C
- Vibration Protection 1 Grms (5 ~ 500 Hz)
(Operating, random vibration)

Ordering Information

- TPC-66SN-E2AE
- PWR-247-AE 24 V 50 W AC-DC Power Adapter