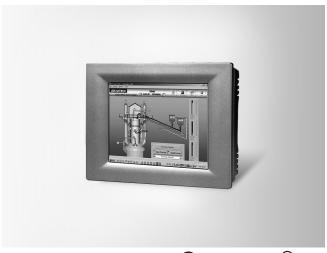


3.5"/5.7" QVGA TFT LED LCD TI Cortex-A8 Touch Panel Computer



Features

- TI Cortex-A8 processor on board
- 3.5"/5.7" QVGA TFT LED LCD
- Super slim and compact design with plastic housing
- Fanless cooling system
- IP65 compliant front panel
- Built-in micro SD card with Windows® CE OS
- 1 x SD card slot
- Automatic data flow control RS-485
- Supports 1Mbit FRAM for data back-up



Introduction

The TPC-31T/61T model is a compact platform without redundant functions, and has been designed for small-sized operator interface applications. It has a 3.5"/5.7" TFT LCD display which is a cost effective choice for a limited budget. Its RISC kernel, the TI Cortex-A8 processor consumes minimum power without sacrificing performance. The TPC-31T/61T 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-31T/61T become an Open HMI solution for system integration.

Specifications

General

Certification
CE, BSMI, CCC, UL, FCC Class A

Cooling System Fanless design

Dimensions (W x H x D) TPC-31T: 120.79 x 85.5 x 26.5 mm

(4.76" x 3.37" x 1.04")

TPC-61T: 195 x 148 x 44.4 mm

(7.68" x 5.83" x 1.75")

• Enclosure TPC-31T:ABS

TPC-61T: PC/ABS Resin

Mounting Panel

OS Support Windows CE 6.0
Power Consumption 8 W/12 W (typical)
Power Input 18 ~ 32 V_{DC}

• Watchdog Timer Programmable as 250 ms, 500 ms, 1 second

• Weight (Net) 0.25 kg (0.55 lbs)/0.8 kg (1.76 lb)

System Hardware

CPU TI Cortex-A8 600MHz
Memory DDR2 256MB on board
LAN 10/100Base-T x 1

• **Storage** 512MB on board micro SD card

1 x SD Card slot

1Mbit FRAM for Data back-up

■ I/O TPC-31T: RS-232/RS-485 X1 with auto data flow

control, USB 2.0(Host) x 1, CAN x 1

TPC-61T: RS-232 x 2 (COM1,2) RS-422/RS-485 x 1

(COM 3) with auto data flow control, USB2.0 (Host) x 1, USB2.0 (Client) x 1

LCD Display

Display Type
QVGA TFT LED LCD

Display Size 3.5"/5.7"
Max. Resolution 320 x 240
Max. Colors 64 K
Luminance cd/m² 450/800
Viewing Angle (H/V) 160/140
Backlight Life 30,000/50,1

Backlight Life 30,000/50,000 hrs
Contrast Ratio 300:1/800:1

Touchscreen

• **Lifespan** 1 million times with an 8mm diameter finger of silicone

rubber

• **Light** Transmission Above 80%

• Resolution Linearity

• Type 4-wire, analog resistive

Environment

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

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

Vibration Protection
2 Grms (5 ~ 500 Hz) (Operating, random vibration)

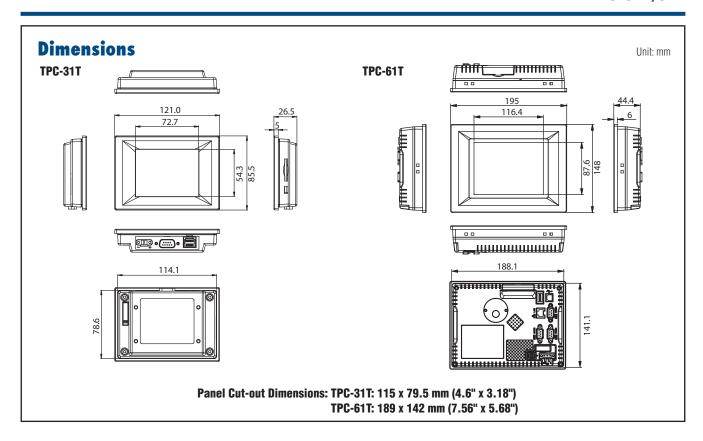
Ordering Information

• TPC-31T-E3AE 3.5" QVGA Touch Panel PC, TI AM3517 600 MHz,

256 MB with WinCE 6.0

■ TPC-61T-E3AE 5.7" QVGA Touch Panel PC TI AM3517 600 MHz,

256 MB with WinCE 6.0



Accessories

PWR-247-BE

1702002600 1702002605

1702031801

1700000596

63W DC 24V/2.62A Output Power Supply

Power Cable US Plug 1.8 M

Power Cable EU Plug 1.8 M

Power Cable UK Plug 1.8 M

Power Cable China/Australia Plug 1.8 M

Rear View



