TPC-31T TPC-61T

3.5"/5.7" QVGA TFT LCD TI AM3517 Touch Panel Computer



Features

- TI AM3517 processor on board
- 3.5"/5.7" QVGA TFT LCD
- · Super slim and compact design with plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Built-in micro SD card with Windows® CE OS
- 1 x SD card slot
- Automatic data flow control RS-485



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 AM3517 processor consumes minimum power without sacrificing performance. The TPC-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-61T become an Open HMI solution for system integration.

Specifications

General

Certifications
 Cooling System

BSMI, CCC, CE, FCC, UL
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 ABSMounting Pane

• **OS Support** Windows CE 6.0 (English Version)

Power Consumption
 Power Input
 8 W/12 W (typical)
 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 AM3517

Memory DDR2 256MB on board
 LAN 10/100Base-T x 1

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

1 x SD Card slot

1MB FRAM for Data back-up (optional)

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

control, USB 2.0(Host) 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 LCD Display Size 3.5"/5.7" Max. Resolution 320 x 240 Max. Colors 64 K Luminance cd/m² 200/800 Viewing Angle (H/V) 120/110; 160/140 Backlight Life 30000/50000 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

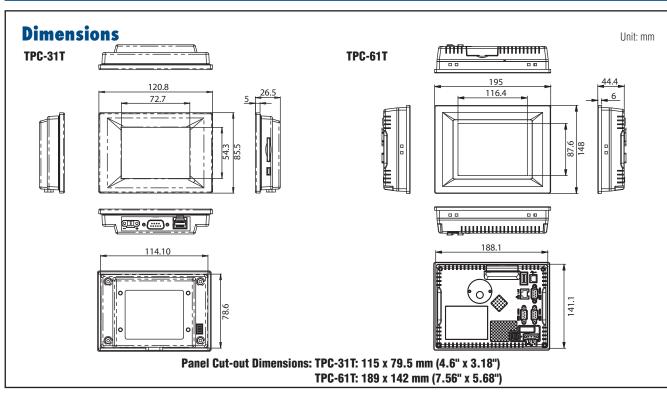
• Type 4-wire, analog resistive

Environment

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

Ingress Protection
 Operating Temperature
 Storage Temperature
 Vibration Protection
 Front panel: NEMA4, IP65
 0 ~ 50°C (32 ~ 122°F)
 -20 ~ 60°C (-4 ~ 140°F)
 1 Grms (5 ~ 500 Hz)

TPC-31T/61T



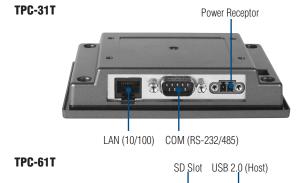
Ordering Information

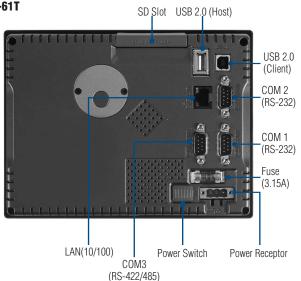
■ TPC-31T-E3AE 3.5" QVGA Touch Panel PC, TI AM3517 600 MHz, 256 MB

■ TPC-61T-E3AE 5.7" QVGA Touch Panel PC TI AM3517 600 MHz, 256 MB

PWR-247-AE 24 V 50 W AC-DC Power Adapter

Rear View





Energy Automation

Automation Panel PCs

0 Industrial Monitors