TPC-1240T

Features

- 12.1" SVGA TFT LCD with high luminance
- Intel StrongARM 1110 processor
- Fanless cooling system
- Built-in flash memory and Windows CE 3.0 inside
- NEMA4/IP65 compliant Al-Mg front panel

Introduction

The TPC-1240 is a slim and compact platform that has no redundant functions. It has a high performance TFT LCD display and Ethernet communication capability. Its RISC kernel, Intel® StrongARM 1110 processor, is a mix of low power consumption, cost effectiveness and performance. Advantech is offering an OS solution in the way that the TPC-1240 is bundled with Windows CE OS and/or Advantech HMI software package. The built-in Windows CE OS platform forms a bridge that lets the TPC-1240 be an open HMI solution for system integration.

Specifications

- **Construction:** Al-Mg and plastic molding housing
- **Display:** 12.1" SVGA TFT LCD
- **CPU and Core Logic:** Intel® StrongARM 1110
- **VGA:** MediaQ® MQ-200 VGA controller
- **DRAM:** 32 MB on board
- **Storage:** 16 MB flash memory on board, 1 CompactFlash™ card (optional)
- **I/O:** 3 serial ports (COM3 is RS-485) and RS-485 is auto flow controlled by Windows CE OS, 1 Ethernet port (10Base-T), 2 PS/2 ports
- **Watchdog Timer:** programmable as 250 ms, 500 ms and 1 second
- **Power Input:** 24 V_{DC}, 0.5 A maximal
- **Dimensions (W x H x D):** 311 x 237 x 50 mm (12.24" x 9.33" x 1.97")
- **Weight:** 2.2 kg (4.85 lbs)

LCD Display

	TFT color LCD (TPC-1240T)
Display size (diagonal)	12.1"
Max. colors	256 K
Resolution	800 x 600
Pixel pitch (HxV)	0.31 x 0.31 mm
Viewing angle	100°
Luminance	300 cd/m²
Storage temperature	-20 ~ 60° C (-4° ~ 140° F)
Operating temperature	0 ~ 50° C (32° ~ 122° F)
Backlight	2 CCFL
Contrast ratio	150

Touchscreen

- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light Transmission:** above 75%
- **Life:** 100 million activation minimum
- **Controller:** PS/2 interface

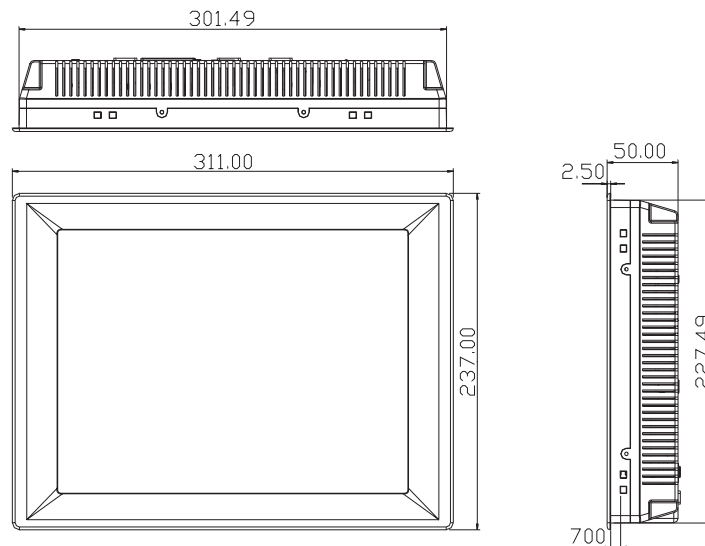## Environmental Specifications

- **Operating Temperature:** 0° ~ 50° C (32° ~ 122° F)
- **Relative Humidity:** 10% ~ 95% @ 40° C, non-condensing
- **EMI:** FCC class A certificated
- **CE certificated**
- **Front panel meets NEMA4/IP65**

Dimensions

Unit: mm (inch)

301.49

311.00

237.00

50.00

2.50

227.49

700

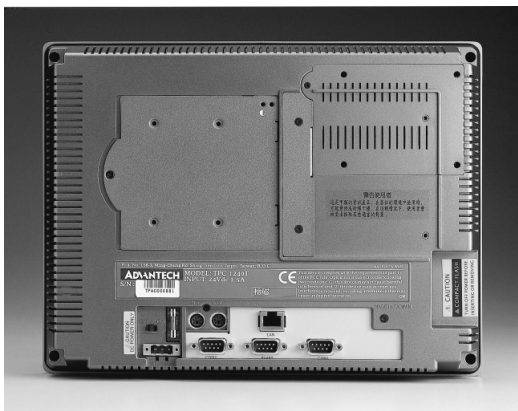**Cut-out Dimension: 302 mm x 228 mm**

Rear View

Ordering Information

❑ **TPC-1240T-CE**
12.1" TFT LCD display touch panel computer with StrongARM 1110 CPU 32 MB DRAM/16 MB flash memory on board and WinCE 3.0 OS

Optional Peripherals

❑ **TPC-1260 STAND**
Desktop stand set used for TPC-1260/TPC-1240

❑ **TPC-1260 WALLMT**
TPC-1260/1240 wall mounting kit

❑ **PS-DC24-50**
50 watts 24 V_{DC} output, 110/220 V_{AC} 50/60 Hz input power adapter

Sidebar: WebLink WebOIT 1 | IPPC & AWS 2 | TPC 3 | FPM 4 | IPC 5 | UNO-2000 6 | ICOM 7 | DA&C 8 | cPCI 9 | ADAM-3000 10 | ADAM-4000 11 | ADAM-5000 12 | ADAM-6000 13 | ADAM-8000 14 | Industrial Converters 15 | VBOX 16 | Software 17 | Index