TPC-660E

AMD LX800 Touch Panel Computer with 5.7" VGA TFT LCD Display

NEW

Features

- AMD LX800 processor on board
- 5.7" LED Backlight TFT LCD
- Super slim and compact design with plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- One CompactFlash® slot
- Automatic data flow control RS-485
- Supports Windows® XP/CE and WinXPe

Introduction

The TPC-660E models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. The integration of a fanless kernel, touchscreen and non-voliate storage makes this machine a reliable solution for industrial environments. The 16-bit PC/104 expansion slot provides a dependable and convenient way to add-on functions. Common PC/104 cards for a variety of applications can fit in the TPC-660E.

Specifications

General

- **Certifications**   BSMI, CE, FCC, UL
- **Cooling System**   Fanless design
- **Dimensions (W x H x D)**   195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
- **Enclosure**   ABS and ABS + PC
- **Mounting**   Panel
- **OS Support**   Windows XP/CE and WinXPe
- **Power Consumption**   43.52 W
- **Power Input** $18 \sim 32$ V_{DC}
- **Watchdog Timer**   Programmable as 250 ms, 500 ms, 1 second
- **Weight (Net)**   0.8 kg (1.76 lb)

System Hardware

- **Audio Ports**   1 x Line-out, 1 x Microphone
- **CPU**   AMD LX800 500 MHZ
- **Expansion Slots**   1 x CompactFlash® slot
      1 x PC/104
- **Graphics Controller**   AMD LX800 (Internal)
- **Keyboard/Mouse Ports**   1 x PS/2
- **LAN**   1 x 10/100Base-T
- **Memory**   256 MB DDR SDRAM (up to 1 GB DDR SDRAM)
- **Serial Ports**   1 x RS-232
      1 x RS-232/422/485
- **Storage**   1 x CompactFlash card (optional)
- **USB Ports**   2 x USB 2.0

LCD Display

- **Backlight Life**   50,000 hrs
- **Contrast Ratio**   300:1
- **Display Size**   5.7"
- **Display Type**   TFT LCD
- **Luminance (cd/m²)**   220
- **Max. Colors**   262 K
- **Max. Resolution**   640 x 480
- **Viewing Angle (H/V)**   140/100

Touchscreen

- **Lifespan**   10 millions times with a silicone rubber of 8 mm diameter finger
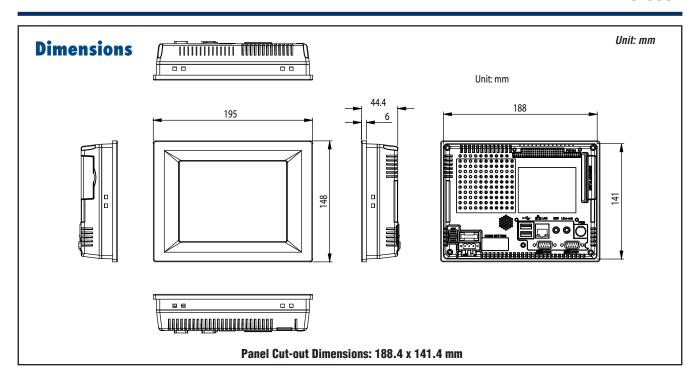- **Light Transmission**   Above 75%
- **Resolution**   1024 x 1024
- **Type**   4-wire, analog resistive

Environment

- **Humidity**   10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection**   Front panel: NEMA4, IP65
- **Operating Temperature**   0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature**   -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection**   1 Grms (Random, Operating)

Dimensions

Unit: mm

Unit: mm

195

148

44.4

6

188

141

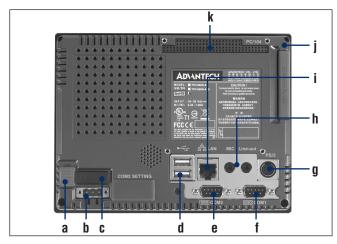**Panel Cut-out Dimensions: 188.4 x 141.4 mm**

Ordering Information

- **TPC-660E-B1E** — 5.7" TFT LCD Display TPC with AMD LX800 500 MHz and 256 MB DDR SDRAM

Rear View

a. Power
b. Power Receptor
c. Fuse
d. USB 2.0
e. COM2 (RS232/422/485)
f. COM1 (RS232)
g. PS/2
h. Audio (MIC, Line-out)
i. 10/100Mb LAN
j. CompactFlash
k. PC/104