

18.5" WXGA TFT LCD Multi-Touch **Panel Computer with AMD Dual-core processor**



2013



Features

- 18.5" WXGA TFT LED LCD display
- AMD dual-core T56E 1.65GHz with independent GPU, advanced graphical
- 16:9 wide screen with PCT multi-touch
- Built-in function and home key button used for intuitive UI
- Anti-scratch surface: 7H hardness
- Easy Maintenance of Cfast/HDD/Mini-PCle components by opening side cover
- Support Mini-PCle expansion slot
- Support HDMI for second display application
- HD Audio supports for alarm application
- Front LED indicator to show operating status
- IP66 compliant true flat screen
- Compact design with Die-cast Magnesium alloy front bezel
- Fanless cooling system
- Winner of the 2013 iF product design award



Introduction

With brand-new ID design, the TPC-1840WP provides a high resolution 18.5" display and PCT multi-touch in 16:9 wide format. By embedding an AMD T56E 1.65GHz processor with independent GPU, the TPC-1840WP can support advanced graphical performance in more complex applications. Built-in function and home key button for greater user usability and operating safety. The TPC-1840WP also supports a mini-PCle slot for communication function expansion. The opening side cover is designed for easy maintenance of Cfast/ HDD/Mini-PCle components.

Specifications

General

BIOS AMI 32Mbit

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

Cooling System Fanless design

Dimensions (W x H x D) 488 x 309 x 56.7 (19.21" x 12.17" x 2.23")

Front bezel: Die-cast Magnesium alloy Enclosure Back housing: PC/ABS Resin

 Mounting Panel Mount

Microsoft® Win8/WES7P/XP/WES2009 OS Support

Power Consumption 35 W Typical 18 ~ 32 V_{DC} Power Input **Watchdog Timer** 1 ~ 255 sec (system) Weight (Net) 7kg (15.44 lbs)

System Hardware

CPU AMD G-series T56E 1.65GHz

Chipset AMD A50M FCH

Memory 4GB SO-DIMM DDR3 SDRAM 10/100/1000Base-T x 2 LAN **Expansion Slots** Full-sized Mini PCI-E x 1

CFast slot x 1 Storage

2.5" SATA HDD x 1(optional) I/O

RS-232 x 3 RS-422 / 485 x1 USB 2.0 x 2(Host) HDMI x 1

Mic in x 1, Line out x 1

LCD Display

Backlight Life

 Display Type WXGA TFT LED LCD

Display Size 18.5" Max. Resolution 1366 x 768 16.7 M Max. Colors Luminance cd/m² Viewing Angle (H/V°) 170/160

d USB 20 e. LAN (10/100/1000)

b. Audio (Line out, Mic in) c. HDMI

a. COM 1 & 2 (RS-232)

f Power Recentor g1.COM3 (RS-232) g².COM4 (RS-422/485) h. Mini PCI-E slot i. 2.5" SATA HDD Housing

Touchscreen

Light Transmission Resolution 4096*4096 dot Type Projected capacitive

Environment

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

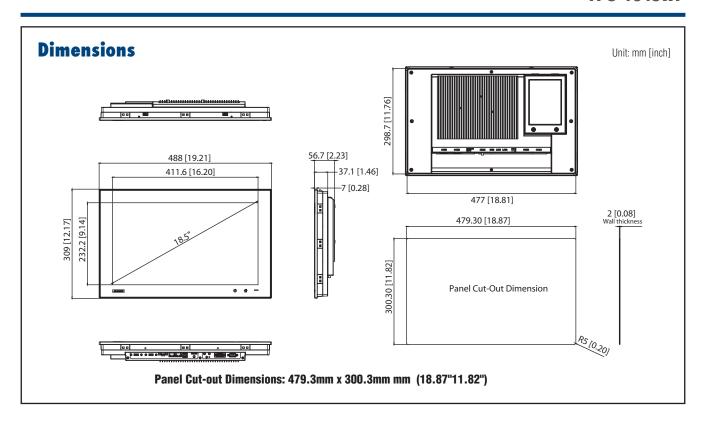
Note: Tested for 48hrs **Ingress Protection** Front panel: IP66 Operating Temperature 0 ~ 55°C (32 ~ 131°F) **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F) Vibration Protection With HDD: 1 Grms (5 ~ 500 Hz)

(Operating, random vibration)





50.000 hrs



Ordering Information

 TPC-1840WP-T3AE 18.5" WXGA Multi-Touch Panel PC. AMD T56E, 4GB

Optional Accessories

 PWR-247-CE 60W DC 24V/2.5A Output Power Supply **1702002600** Power Cord 3P UL/CSA 125V 10A 1.83M

1702002605 Power cable EU Plug 1.8M **1702031801** Power cable UK Plug 1.8M

1700000596 Power cable China/Australia Plug 1.8M

Embedded O/S

2070012816 TPC-xx40WP WS7P x64 MUI Image v4.12 **2070012195** TPC-xx40WP WS7P x86 MUI Image v4.11

Application Software

and it acts as an IIoT Platform providing open interfaces for partners to develop IoT applications for different vertical markets. In addition to traditional SCADA functions, WebAccess has an intelligent WebAccess/SCADA Dashboard, to provide users with cross-platform, cross-browser data analysis and user interface using HTML5 technology. As well as the built-in widgets, WebAccess also provides Widget Builder to allow

customers to build their own.

Advantech WebAccess is a 100% web based SCADA (Supervisory Control And Data Acquisition) software

WebAccess/HMI is Human Machine Interface (HMI) software based on Microsoft's Windows operating

interface operation and monitoring requirements.

system. It utilizes a PC's ample resources, ie speed, storage, multimedia, peripheral devices, and large screen to produce a complex human-machine WebAccess/HMI interface. WebAccess/HM with its communication and monitoring ability supports more than 350 PLC communication protocols and a wide choice of screen design objects, to satisfy multiple integrations of factory automation and all-round human-machine