TPC-2140WP

Features
- 21.5" Full HD TFT LED LCD display
- AMD dual-core T56E 1.65GHz with independent GPU, advanced graphical performance
- 16:9 wide screen with PCT multi-touch
- Built-in function and home key button for intuitive UI
- Anti-scratch surface: 7H hardness
- Easy Maintenance of Cfast/HDD/Mini-PCIe components by opening side cover
- Support Mini-PCIe 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 a brand-new ID design, the TPC-2140WP provides a high resolution 21.5" display and PCT multi-touch in 16:9 wide format. By embedding an AMD T56E 1.65GHz processor with independent GPU, the TPC-2140WP 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-2140WP also supports a mini-PCIe slot for communication function expansion. The opening side cover is designed for easy maintenance of Cfast/HDD/Mini-PCIe components.

Specifications

General
- BIOS: AMI 32Mbit
- Certification: BSMI, CCC, CE, FCC Class A, UL
- Cooling System: Fanless design
- Dimensions (W x H x D): 558.4 x 349.8 x 56.7 (21.98" x 13.77" x 2.23")
- Enclosure: Front bezel: Die-cast Magnesium alloy
- Back housing: PC/ABS Resin
- Mounting: Panel Mount
- OS Support: Microsoft® Win8/WES7P/XP/WES2009/Linux
- Power Consumption: 35 W Typical
- Power Input: 18 – 32 Vdc
- Watchdog Timer: 1 – 255 sec (system)
- Weight (Net): 8.5 kg (18.74 lbs)

System Hardware
- CPU: AMD G-series T56E 1.65GHz
- Chipset: AMD A50M FCH
- Memory: 4GB SO-DIMM DDR3 SDRAM
- LAN: 10/100/1000Base-T x 2
- Expansion Slots: Full-sized Mini PCI-E x 1
- Storage: CFast slot x 1
- 2.5" SATA HDD x 1 (optional)
- I/O: RS-232 x 3
- RS-422 / 485 x 1
- USB 2.0 x 2(Host)
- HDMI x 1
- Mic in x 1, Line out x 1

LCD Display
- Display Type: Full HD TFT LED LCD
- Display Size: 21.5"
- Max. Resolution: 1920 x 1080
- Max. Colors: 16.7 M
- Luminance cd/m²: 300
- Viewing Angle (H/V°): 178/178
- Backlight Life: 50,000 hrs

Touchscreen
- Light Transmission: ≥88%
- Resolution: 4096*4096 dot
- Type: Projected capacitive

Environment
- Humidity: 10 – 95% RH @ 40°C, non-condensing
- Ingress Protection: 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)

Date updated: 18-Aug-2014
**Dimensions**

Panel Cut-out Dimensions: 550.3mm x 341.8 mm (21.67" x 13.46")

**Ordering Information**

- **TPC-2140WP-T3AE**
  - 21.5" full-HD Multi-Touch Panel PC, AMD T56E, 4GB

**Accessory**

- **1757003463**
  - 100-240VAC to 19VDC 90W Power Adapter
- **1700001524**
  - Power Cord 3P UL 10A 125V 1.8M
- **PWR-247-AE**
  - 50W DC 24V/2.3A Output Power Supply
- **1702002605**
  - Power cable EU Plug 1.8M
- **1702031801**
  - Power cable UK Plug 1.8M
- **1702031836**
  - Power cable China/Australia Plug 1.8M

**Rear View**

- a. COM 1 & 2 (RS-232)
- b. Audio (Line out, Mic in)
- c. HDMI
- d. USB 2.0
- e. LAN (10/100/1000)
- f. Power Receptor
- g'. COM3 (RS-232)
- g. COM4 (RS-422/485)
- h. Mini PCI-E slot
- i. 2.5" SATA HDD Housing