

## 21.5" Full HD TFT LED LCD stationary Multi-Touch Panel Computer



2013



### **Features**

- 21.5" Full HD TFT LED LCD display
- AMD dual-core 1.6GHz processor with independent GPU, advanced graphical performance
- 16:9 wide screen with PCT multi-touch
- Built-in function and home key button used for intuitive UI
- Anti-scratch touch surface: 7H hardness
- All around IP65 with waterproof M12 connector
- Support Mini-PCle expansion slot
- Front LED indicator to show operating status
- Fanless cooling system
- Winner of the 2013 iF product design award



### **Introduction**

With a brand-new ID design, the SPC-2140WP series provide high resolution 21.5" display and PCT multi-touch in 16:9 wide format. By embedding an AMD T56N 1.6GHz processor with independent GPU, the SPC-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 SPC-2140WP also supporst Mini-PCle slot for communication function expansion. Moreover, the SPC-2140WP includes an all around IP65 waterproof design with M12 connectors. With this vertical I/O connector, cable routing can be an easy job in stationary / VESA Arm applications.

## **Specifications**

#### General

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

 Cooling System Fanless design

**Dimensions (W x H x D)** 558.4 x 349.8 x 65 mm (21.98" x 13.77" x 2.56")

Enclosure Front bezel: Die-cast Aluminium alloy

Back housing: Die-cast Aluminium alloy

Mounting VESA Arm

 OS Support Microsoft® Win7/8/WES7P/XP/WES2009/Linux

 Power Consumption 35 W Typical  $24 V_{DC}$ Power Input Weight (Net) 9 kg (19.8 lbs)

### **System Hardware**

CPU AMD G-series T56N 1.6GHz

AMD A50M FCH Chipset

4GB SO-DIMM DDR3 SDRAM Memory

10/100/1000Base-T x 2 (connection:M12 A-coded, LAN

8-pin female)

Expansion Slots Full-sized Mini PCle slot x 1 (optional)

Storage 2.5" SATA HDD bracket x 1

I/0 RS-232 x1 (connection:M12 A-coded, 8-pin male)

USB 2.0 x1 (connection:M12 A-coded, 8-pin female) 24 V<sub>DC</sub> power input (connection:M12 A-coded, 5-pin

male)

#### **LCD Display**

Full HD TFT LED LCD Display Type

 Display Size 21.5" Max. Resolution 1920 x 1080 Max. Colors 16.7 M Luminance cd/m<sup>2</sup> 300 Viewing Angle (H/V°) 178/178 Backlight Life 50,000 hrs

#### **Touchscreen**

 Light Transmission ≥88% Resolution 4096\*4096 dot Type Projected capacitive

#### **Environment**

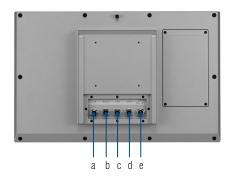
10 ~ 95% RH @ 40°C, non-condensing - Humidity

Note: Tested for 48hrs

 Ingress Protection All around IP65 **Operating Temperature**  $0 \sim 55^{\circ}\text{C}$  (32 ~ 131°F) Storage Temperature -20 ~ 60°C (-4 ~ 140°F) **Vibration Protection** With HDD: 1 Grms (5 ~ 500 Hz)

(Operating, random vibration)

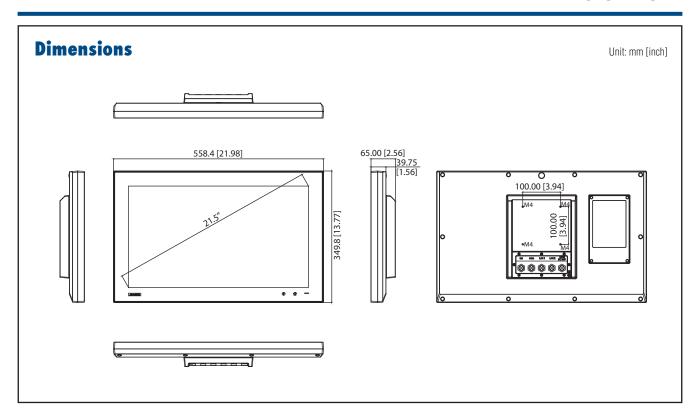
### **Rear View**



- a. USB 2.0 with M12 connector b. COM (RS-232) with M12 connector
- c. LAN 1 with M12 connector
- d. LAN 2 with M12 connector
- e. 24 V<sub>DC</sub> input with M12 connector

AD\4NTECH

**Automation Panels** 



# **Ordering Information**

SPC-2140WP-T3AE 21.5" full-HD stationary Multi-Touch Panel PC, 4GB WA-SPC2140WP SPC-2140WP-T3AE with WebAccess software

### Accessories

■ PWR-247-BE 63W DC 24V/2.62A Output Power Supply

**1702002600** Power Cable US Plug 1.8 M **1702002605** Power Cable EU Plug 1.8 M **1702031801** Power Cable UK Plug 1.8 M

Power Cable China/Australia Plug 1.8 M **1700000596** 802.11bgn RTL8188EE 1T1R, Half-size Mini-PCle EWM-W151H01E

(also need 9656EWMG00E)

 9656EWMG00E Half-size miniPCle to Full-size miniPCle bracket set **1750007668-01** Waterproof Wireless Antenna R/P SMA.M2dB L=86.7 **1750003418** Wireless Antenna AN2400-5901RS R/P SMA.M9dB

SPC-1840WP-MCKE M12 cable accessory kit for SPC series SPC-1840WP-MOKE M12 Connector accessory kit for SPC series

# **Automation Software**

 968WEXP003X PanelExpress V2.0 300 tags S/W license

968WEXP015X PanelExpress V2.0 1500 tags S/W license

968WEXP050X PanelExpress V2.0 5000 tags S/W license

968WEXP2USB PanelExpress V2.0 S/W USB dongle

# **Application Software**

SUSIÂCCESS	Version: V2.1 or above An innovative remote device management software, allowing efficient remote monitoring, quick recovery & backup, and real-time remote configuration, to create a more intelligent and interconnected embedded computing solution.
WebAccss	Version: V7.1 or above WebAccess, as the core of Advantech's IoT solution, is full web browser-based software package for HMI and SCADA software. All HMI and SCADA software features including: Animated Graphics Displays, Real-time Data, Control, Trends, Alarms and Logs, are available in a standard web browser. WebAccess is built around the latest internet technologies. With its open architecture, vertical domain applications can easily be integrated.
PANELEXPRESS Designed for Convenience	Version V2.0.3.8 or above Panel Express, a windows based HMI mini SCADA, realizes the cross platform flexibility offered by WebOP Designer to switch hardware for the consideration of cost and performance become an easy job. Panel Express software provides the best economic and express solution for data intensive high-end HMI applications.
Webop	Version V2.0.3.8 or above An easy to use integrated development tool featuring solution-oriented screen objects, high-end graphics, Windows fonts for multi-language applications. WebOP runtime, a part of WebOP Designer, guarantees reliability and performance because of the minimum system overhead, high communication data rates, and sub-second screen switching.