# **SPC-221**

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

2013 



#### **Features**

- 21.5" Full HD TFT LED LCD display
- Intel<sup>®</sup> Skylake Core<sup>™</sup> i3-6100U 2.3 GHz processor (Dual-Core)
- 16:9 wide screen with PCT multi-touch
- Built-in function and home key buttons for intuitive UI •
- Anti-scratch touch surface: 7H hardness
- All-round IP66 protection with waterproof M12 connector
- Supports 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-221 series have high resolution 21.5" displays and PCT multi-touch scrupts a 10.9 wide format. By embedding an Intel® Skylake Core™ i3-6100U 2.3 GHz processor (Dual-Core), the SPC-221 can support advanced graphical performance in complex copplications. It has built-in function and home key buttons for greater usability and also supports a Mini-PCIe slot for communication function expansion. It also has an all-round IPoo waterproof casing design with M12 connectors. With this vertical I/O connector, cable routing is simplified, safer, and more reliable for stationary / VESA arm applicatio,

56"

## **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"
- Enclosure

Front bezel: Die-cast Aluminium allow Back housing: Die-cast Aluminium alloy VESA Arm

35 W Typical

8-pin female)

9 kg (19.8 lbs)

Intel 6th Cure U-series -

 $24 V_{\text{DC}}$ 

Microsoft® Windows 10 Frictorise LiSB

Intel Core i7-6600U, 2.6GHz (optional)

Full-sized Mini PCle slot x 1 (optional)

2.5" SATA HDD bracket x 1

i5-6300U, 2.4GHz (optional) i3-6100U, 2.3GHz

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

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

Celeron-3955U, 2.0GHz (optional) 8GB SO-DIMM DDR3L SDRAM (Up to 16GB)

- Mounting **OS Support**
- Power Consumption
- Power Input
- Weight (Net)

#### System Hardware

- CPU
- Memory
- LAN
- Expansion Slots Storage
- I/O

#### **LCD** Display

- Display Type
- **Display Size**
- Max. Resolution
- Max. Colors
- Luminance cd/m<sup>2</sup> Viewing Angle (H/V°)
- Backlight

AD\ANTECH

1920 x 1080 16.7 M 300 21.5": 178/178 Life 50,000 hrs

male)

21.5"

Full HD TFT LED

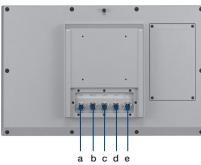
#### rouchscreen

- Light Transmission
- Resolution
- Type

#### **Environment**

- Humidity
- Ingress Protection
- Storage Temperature
- Vibration Protection

## **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

**Domain-Focused Products** 

- 95% RH @ 40°C, non-condensing Note: Tested for 48hrs All-round IP66 protection

Projected capacitive

**Operating Temperature** 0 ~ 55°C (32 ~ 131°F)

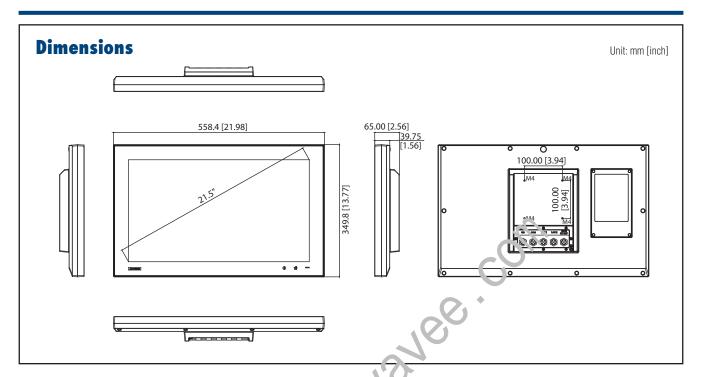
≥88%

4096\*4096 dot

- -20~60°C (-4~140°F) With HDD: 1 Grms (5 ~ 500 Hz)
  - (Operating, random vibration)



## **SPC-221**



## **Ordering Information**

SPC-221-633AE 21.5" full-HD Stationary Panel PC / I3-6100U,8GB

## **Optional Accessories**

- 1702002600 Power cable US plug 1.8 M
- 1702002605 Power cable EU plug 1.8 M
- 1702031801
- 1700000596
- EWM-W193H01E
- 9656EWMG00E
- 1750007668-01
- **1750003418**
- SPC-1840WP-MCKE
- SPC-1840WP-MOKE
- = 20703WX9VS0010
- Windows 10 LTSC 2019 V6.04 B024 Value Image (Standard i3 Model) 20703WX9HS0004 Windows 10 LTSC 2019 V6.04 B024 High Image (i7

Power cable UK plug 1.8 M

(also need 9656EWE. FOOE)

Power cable China/Australia plug 1.8 M

M12 cable accessory kit for SPC series

M12 connector accessory kit for SPC series

802.11 ac/a/b/g/n + BT 5 0 Hai Mini-PCle Module

Half-size minil<sup>C</sup>le to Full size miniPCle bracket set

Waterproof wireles antenna R/P SMA.M2dB L=86.7

Wireless hten h AN2400-5901RS R/P SMA.M9dB

Model)

## **Application Software**

	AUVAILIECTI WEDACCESS IS & TUU% WED DASEU SCADA
	(Supervisory Control And Data Acquisition) 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
WebAccess/SCADA	SCADA functions, WebAccess has an intelligent
	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.
	WebAccess/HMI is Human Machine Interface (HMI)
	software based on Microsoft's Windows operating
	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
	interface operation and monitoring requirements.

Advantech WebAccess is a 100% web based SCADA

## **Packing List**

ltem	Part No.	Depiction	Qty
SC Manual	2003022100	User Manual(SC) for SPC-221 1st ed	1
Screw	1930001024	Screw M4*8L R/S D=8.9 H=2.5 + ST Ni NK	4
Screw	1930005204	Screw M4x10L R/S DH=6.8x2.50 + ST ZBK PL	4
Screw	1930000686	Screw M3x5L S/S D=5 H=1.3 (2+) ST Ni NK	4
Screw	1930001361	Screw M3x4L S/S D=5 H=1.2 (2+) ST Ni NK	4
Warranty Card	2190000902	CARDBOARD-WARRANTY REV. A2	1

Please note: If some optional modules are offered with the system, additional system certificates may be required in certain regions/countries. Please contact Advantech for certificate compliance.