

# APC215 POE Panel PC

## 7inch~21.5inch POE Panel PC with Intel Chipset



### Key Features

- ◆ 7" ~21.5" TFT LCD display with LED backlight
- ◆ POE IEEE802.3 AF /IEEE802.3 AT /IEEE 802.3BT
- ◆ Fanless design with A55
- ◆ PCAP Touch
- ◆ 350nits Brightness, Upgradable to 1200nits
- ◆ Rich Expansion: RS232/RS422/RS485, GPIO Options

## Power Supply

|                   |   |
|-------------------|---|
| Power Supply      | 12V Power Input                                 |
| Power Consumption | <30W  |
| POE               | Input(IEEE802.3 AF /IEEE802.3 AT /IEEE 802.3BT) |

## System Parameters

|                  |  |
|------------------|--|
| CPU              | RK3566 Cortex A55,Quad Core, 1.8G        |
| RAM              | 4GB(2GB,4GB,8GB optional)                |
| Internal Memory  | 64GB(16GB/32GB 64GB optional)            |
| LAN              | 10/100M Ethernet                         |
| WiFi+Bluetooth   | 802.11 b/g/n, Bluetooth 4.0              |
| 3G               | Optional                                 |
| Camera           | 2.0M Front(Optional)                     |
| OS               | Android, Linux (buildroot/ubuntu/debian) |
| Extendable Ports | 1xfull-mini PCI express; 2x COM port     |
| Cooling System   | Passitive                                |

## Expansion Function

|           |          |
|-----------|----------|
| GPIO      | Optional |
| RS422/485 | Optional |
| Speaker   | Optional |

## Degree of protection

|                  |          |
|------------------|----------|
| Front Panel IP65 | Default  |
| Whole IP65       | Optional |

## Display Parameters

|                |   |
|----------------|---|
| LCD Size       | 7"~21.5" TFT (LED Backlight)                          |
| Resolution     | 800*480/1024*600/1920*1080                            |
| Brightness     | 350cd/m <sup>2</sup> (1200cd/m <sup>2</sup> optional) |
| Aspect ratio   | 16:9  |
| Life Time      | 50,000hrs   |
| Contrast Ratio | (1000:1)  |

|                  |                        |
|------------------|------------------------|
| Response Time    | 10ms                   |
| Viewing Angle    | 89/89(U/D), 89/89(L/R) |
| Color Resolution | 16.7M                  |

## Touch Screen Parameters

|                  |                       |
|------------------|-----------------------|
| Touch Type       | PCA-P Touch           |
| Surface Hardness | 6H>(Capacitive Touch) |
| Touch Validity:  | >1,000,000            |
| Resolution       | 4096*4096             |
| Life Time        | 50,000hrs             |
| Transparent Rate | >85%                  |

## IO Interface

|           |                                  |
|-----------|----------------------------------|
| COM       | 2x COM(Default RS232, 6 maximum) |
| RS422/485 | Optional (1x RS485/422)          |
| USB       | 4 x USB2.0                       |
| LAN       | POE 1 x RJ45, 10/100/1000M       |
| HD MI     | 1x                               |

## Installation

|          |                                   |
|----------|-----------------------------------|
| VESA     | 75mm*75mm/100mm*100mm/200mm*200mm |
| Embedded | Cabinet Hole Size:                |

## Environments

|                   |  |
|-------------------|--|
| Operating Temp    | -10°C~50°C   |
| Storage Temp      | -30°C~70°C   |
| Relative Humidity | 5~95%@10°C (Non-condensing)                        |
| Vibration         | 5~500Hz,1.5G,0.15mm peak value                     |
| Shake             | 1.5 Grms, IEC 60068-2-64, 5 ~ 500 Hz, 1 hr/axis    |
| Shock             | 10 Grems, IEC 60068-2-64, Half sine wave,for 11 ms |
| EMC               | CE/FCC Class A                                     |

## Enclosure

|                  |                                      |
|------------------|--------------------------------------|
| Housing Material | Aluminum Chassis with fanless design |
| Dimensions       | 545 mm (W) x 335 mm (D) x 73mm (H)   |
| Net Weight       | 4KG~8KG                              |