

# APC156-A500-3288

The machine is made of aluminum alloy material, strong structure, fully closed without fan design, efficient heat dissipation, designed for a variety of complex harsh environment. Can provide SDK package and technical support, support secondary development and rapid upgrade customization, widely used in industrial control, military, communications, electric power, network and other automation fields.

## Features

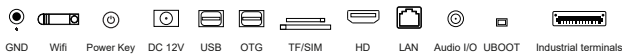
- Industrial aesthetic design, independent mold opening
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- Pure flat panel IP65 dust-proof and waterproof
- Comply with EMC anti-electromagnetic interference standard
- Provide SDK package and support secondary development



## Product Model

|                  |             |
|------------------|-------------|
| Product Size     | 15.6"       |
| Non-touch        | APC156-A500 |
| Capacitive touch | APC156-A510 |
| Resistive touch  | APC156-A520 |

## Product Interface



## Product Specifications

### Screen Parameters

|                |                       |  |  |
|----------------|-----------------------|--|--|
| LCD size       | 15.6" TFT LCD         |  |  |
| Resolution     | 1920*1080             |  |  |
| Viewing angle  | 85/85/85/85 (L/R/U/D) |  |  |
| Colour         | 16.7M                 |  |  |
| Brightness     | 300 cd/m <sup>2</sup> |  |  |
| Contrast ratio | 800:1                 |  |  |

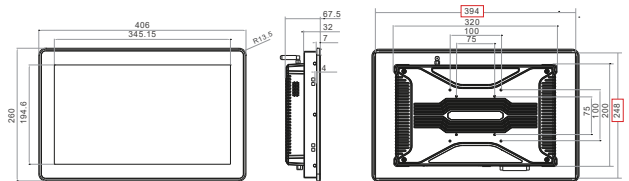
### Touch Parameters

|                          |  |   |           |
|--------------------------|--|---|-----------|
| Touch type               | 10-point touch projection<br>Capacitive touch screen | Single-point<br>Resistance touch screen | Non-touch |
| Transmittance            | ≥88%   | ≥78%                                    | ≥92%      |
| Input mode               | Handwriting or<br>Capacitance pen                    | Fingertip or stylus                     | /         |
| Controller communication | USB  | USB                                     | /         |

### Hardware Configuration

|                  |   |                |                                       |
|------------------|---|----------------|---------------------------------------|
| CPU              | RK3288, Cortex-A17 quad-core, 1.8GHz  | Broad pressure | Supporting 12V power input            |
| Memory           | 2G DDR3 (Optional: 4G/8G)   | WiFi           | 2.4GHz                                |
| Storage          | 16G eMMC (Optional: 32G/64G)  | Bluetooth      | BT4.2                                 |
| GPU              | Mali-T764   | Other support  | RTC real-time clock and timing switch |
| Operating system | Standard configuration: Android 7.1, Optional Android 10.0/12.0, Linux4.4/Ubuntu 18.04/Debian10.0/linux4.4+QT |                |                                       |

## Product Size



### Physical Characteristics

|                    |                     |
|--------------------|---------------------|
| Overall dimensions | W406X H260X D67.5MM |
| Size of opening    | W396X H250MM        |

### Interface Parameters

|                   |   |
|-------------------|---|
| Power interface 1 | 1*Industrial terminals, Supporting 12V power input            |
| Power interface2  | 1*DC2.1, Supporting 12V power input                           |
| USB               | 1*USB HOST, 1*USB OTG   |
| TF                | Support TF expansion card (1*TF card slot)                    |
| HDMI              | 1*HDMI, Supporting HDMI data output, Up to 4K                 |
| SIM               | 1*SIM, Supporting various formats (Depending on 3G/4G module) |
| Network interface | 1*LAN, 10M/100M/1000M adaptive Ethernet                       |
| Audio interface   | 1*Audio I/O, Support audio input and output                   |
| Reset key         | Support (1*UBOOT)   |
| WiFi antenna      | 1*WiFi antenna  |

### Product Reliability Parameters

|                       |  |
|-----------------------|--|
| Working temperature   | -10°C~60°C                                       |
| Storage temperature   | -20°C~70°C                                       |
| Relative humidity     | Humidity: 95% Non-Condensing                     |
| Vibration protection  | IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 hr/axis    |
| Impact protection     | IEC 60068-2-27, Half sine wave, Lasting for 11ms |
| Product certification | CCG/CE/FCC/EMC/CB/ROHS                           |
| Waterproof grade      | The front panel reaches IP65 protection level    |

### Power Parameters

|              |        |
|--------------|--------|
| Power input  | DC 12V |
| Static power | 18W    |