

# FPC-3101WRS-10110

The whole adopts ultra-narrow frame, pure flat board, aluminum alloy structure, fanless fully enclosed design. Support desktop, wall-mounted, embedded, cantilever type, boom type and other installation methods, widely used in industrial control, military, communications, power, network and other high-end automation fields.

## Features

- Narrow bezel design, independent mold opening appearance
- Aluminum alloy - body die-casting molding, efficient heat dissipation
- Self-developed fanless X86 architecture industrial motherboard
- Dual gigabit adaptive Ethernet ports for faster transmission.
- Supporting 12V-36V wide voltage power supply;
- Rich interfaces and strong extensibility.
- Adapt to complex heavy industrial environments such as dust, oil, water mist, strong electromagnetic and high-frequency vibration.



## Product Model

|                  |             |
|------------------|-------------|
| Product Size     | 10.1"       |
| Non-touch        | FPC-3101WNT |
| Capacitive touch | FPC-3101WCP |
| Resistive touch  | FPC-3101WRS |

## Product Interface



## Product Specifications

### Screen Parameters

|                |                       |
|----------------|-----------------------|
| LCD Size       | 10.1" TFT LCD         |
| Resolution     | 1280*800              |
| Viewing Angle  | 85/85/85/85 (L/R/U/D) |
| Colour         | 16.7M                 |
| Brightness     | 300 cd/m <sup>2</sup> |
| Contrast ratio | 1000:1                |

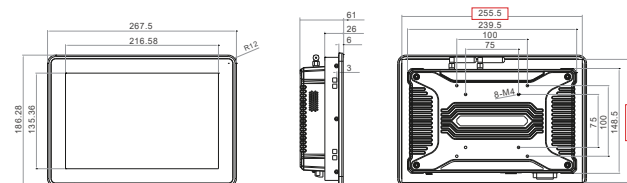
### Touch Parameters

|                          |                                                      |                                         |           |
|--------------------------|------------------------------------------------------|-----------------------------------------|-----------|
| 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                 | I3-6100U                                     | I3-8145U                     | I3-10110U                     |
| CPU frequency       | 2.3GHz                                       | 2.1GHz                       | 2.1GHz                        |
| Integrated graphics | Inte HD Graphic 520                          | Inte HD Graphic 620          | Intel UHD Graphic 620         |
| RAM                 | 4G DDR4(Optional 8G/16G/32G)                 | 4G DDR4(Optional 8G/16G/32G) | 8G DDR4(Optional 16G/32G/64G) |
| Storage             | 128G SSD (256G/512G SSD,1T/2T HDD optional)  |                              |                               |
| WiFi                | Support WIFI                                 |                              |                               |
| Bluetooth           | Support Bluetooth 4.0                        |                              |                               |
| Operating system    | Win7/10/11,Ubuntu/Centos/Redhat/Debian/Linux |                              |                               |

## Product size



### Physical Characteristics

|                    |                        |
|--------------------|------------------------|
| Overall dimensions | W267.5x H186.28x D61mm |
| Size of opening    | W257.5x H176.28mm      |

### Interface

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Power interface1 | 1*DC2.5, Supporting 12V-36V power input                       |
| Power interface2 | 1*Industrial terminal, Supporting 12V-36V power input         |
| USB              | 2*USB 2.0, 2*USB 3.0                                          |
| LAN              | 2*LAN, 10M/100M/1000M adaptive Ethernet                       |
| HDMI             | 1*HDMI, Supporting HDMI data output, Up to 4K                 |
| SIM              | 1*SIM, Supporting various formats (Depending on 3G/4G module) |
| VGA              | 1*VGA                                                         |
| Audio interface  | 1* Audio Out, support audio output                            |
| POWER            | Support (1*POWER)                                             |
| WiFi antenna     | 2*WiFi antenna                                                |
| Grounding post   | 1*Grounding post (GND)                                        |

### Product Reliability

|                      |                                               |
|----------------------|-----------------------------------------------|
| Working Temperature  | -10°C to 60°C                                 |
| Storage temperature  | - 20°C to 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, duration 11ms |
| Authentication       | CCC/CE/FCC/EMC/CB/ROHS                        |
| Waterproof           | Front panel reaches IP65 protection level     |

### Power parameters

|               |            |
|---------------|------------|
| Input voltage | DC 12V~36V |
| Static Power  | 18W        |