

# FPC-3101WRS-1215

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
- IP65 protected flat front panel
- Fanless, excellent heat dissipation design
- Self-developed industrial motherboard
- Adapt to complex heavy industrial environments such as dust, oil, water mist, strong electromagnetic and high-frequency vibration.



## Model

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

## I/O Interface



## Specification

### Screen Parameter

|                                |                       |  |  |
|--------------------------------|-----------------------|--|--|
| Display type                   | 10.1" TFT LCD screen  |  |  |
| MAX.resolution                 | 1280*800 (16:10)      |  |  |
| Viewing angle(H/V)             | 85/85/85/85 (L/R/U/D) |  |  |
| Luminance (cd/m <sup>2</sup> ) | 300 cd/m <sup>2</sup> |  |  |
| Contrast ratio                 | 1000:1                |  |  |

### Touch Parameter

|               |  |                                 |           |
|---------------|--|---------------------------------|-----------|
| Touch type    | 10-point touch projection<br>Capacitive touch screen | Single point<br>Resistive touch | Non-touch |
| Transmittance | ≥88%   | ≥78%                            | ≥92%      |
| Touch object  | Hand or capacitive<br>touch pen                      | Fingertip or stylus             | /         |
| Controller    | USB ( COM customized)                                | USB ( COM customized)           | /         |

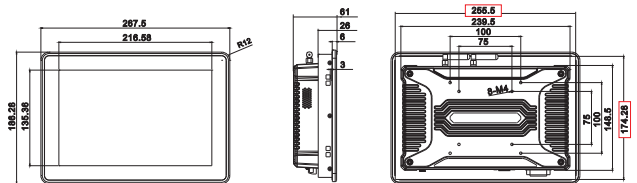
### Configuration

|                  |  |                     |               |
|------------------|--|---------------------|---------------|
| CPU              | Intel Core i3 1215U frequency: 1.2GHz, Max Turbo frequency: 4.40 GHz | Bluetooth           | Bluetooth 4.0 |
| Memory/RAM       | 8GB DDR4 (Optional: 16GB/32GB)                                       | Watchdog Timer      | Support       |
| Storage          | 256GB SSD (Optional 256GB~512GB/1T~4T SSD, 1T/2T HDD)                | RTC real time clock | Support       |
| Wi-Fi            | Dual Band 2.4GHz+5GHz  | Timer switch        | Support       |
| Operating system | WIN10/11, Ubuntu20.04/22.04/Redhat8.7/Debian12.2/Linux-Mint          |                     |               |

### Power Parameter

|             |            |               |        |
|-------------|------------|---------------|--------|
| Power input | DC 12V-36V | Power adapter | 24V/5A |
|-------------|------------|---------------|--------|

## Dimension



### Physical Characteristic

|                    |   |
|--------------------|---|
| Overall dimensions | W267.5X H186.28X D61MM  |
| Installation size  | W257.5X H176.28MM   |
| Material           | Aluminum alloy  |
| Color              | Black, optional silver  |
| Installation       | Support Embedded, Wall-mounted, Desktop, VESA mountv, Suspended mounting, Folding mounting other installation methods |

### Interface Parameter

|                  |   |
|------------------|---|
| PowerSW          | 1*PowerSW   |
| Power interface  | 1*Threaded DC connector (Diameter 5.5*2.5mm)              |
| Phoenix terminal | 1*12P Phoenix terminal (DC*1/RS232*1/RS485*1/GPIO*5)      |
| USB              | 2*USB2.0, 2*USB3.0  |
| Ethernet         | 2*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized |
| HDMI             | 1*HDMI output, up to 4K                                   |
| SIM              | 1*SIM card slot (should be work with 3G/4G module)        |
| VGA              | 1*VGA   |
| Audio            | 1*Audio I/O, support audio input and output               |
| Speaker          | 2*(8Ω2W)  |
| Serial port      | 1*COM (The default is RS232, optional RS485/RS422)        |
| Wi-Fi antenna    | 2*Wi-Fi antenna   |
| Grounding        | 1*GND   |

### Reliability Parameter

|                       |   |
|-----------------------|---|
| Operating temperature | -10°C~60°C (-20°C~70°C can be customized) |
| Storage temperature   | -20°C~70°C                                |
| Relative humidity     | 95% non-condensing                        |