

The 3mm bezel and embedded holes design enables easy panel mounting. It is made of self-developed industrial motherboard. Highly durable aluminum alloy with good heat dissipation enclosure, IP65 protected front panel, industrial components make it to satisfy various applications such as machinery, industrial automation, smart factory, transportation, education, health care, BMS, energy management, robotics, etc.

## Features

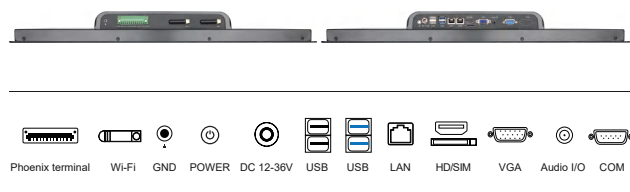
- Aluminum alloy enclosure, easy embedded design
- IP65 protected flat front panel
- Fanless, excellent heat dissipation design
- Self-developed industrial grade motherboard
- Intel Celeron J6412 quad-core 2.0GHz processor
- High compatibility with 99% of industry software



## Model

|                  |       |
|------------------|-------|
| Product Size     | 18.5" |
| Non-touch        |       |
| Capacitive touch |       |
| Resistive touch  |       |

## I/O Interface



## Specification

### Screen Parameter

|                    |                       |
|--------------------|-----------------------|
| Display type       | 18.5" TFT LCD screen  |
| MAX.resolution     | 1920*1080 (16:9)      |
| Viewing angle(H/V) | 89/89/89/89 (L/R/U/D) |
| Luminance (cd/m²)  | 300 cd/m²             |
| Contrast ratio     | 1000:1                |

### Touch Parameter

| Touchscreen        | Projection capacitive touch 10-point multi touch | Resistive touch single point | Non-touch |
|--------------------|--------------------------------------------------|------------------------------|-----------|
| Light transmission | ≥88%                                             | ≥78%                         | ≥92%      |
| Controller         | USB ( COM customized)                            | USB ( COM customized)        | /         |

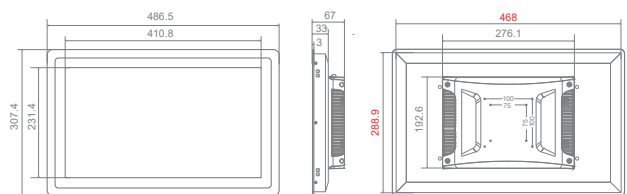
### Power Parameter

|               |            |
|---------------|------------|
| Power input   | DC 12V-36V |
| Power adapter | 24V/2.5A   |

### Configuration

|                  |                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------|
| CPU              | Intel Celeron J6412 quad-core 2.0GHz CPU                                                                                     |
| Memory/RAM       | 8GB ( 4GB/16GB optional)                                                                                                     |
| Storage          | 256G SSD(64GB/128GB/512G/1TB SSD, 1T/2T HDD optional)                                                                        |
| Wi-Fi            | Support 2.4GHz/ 5GHz dual-band Wi-Fi                                                                                         |
| Bluetooth        | BT4.0                                                                                                                        |
| Operating system | WIN10/11, Ubuntu14.04.6/16.04.7/18.04.5/18.04.6/20.04.1/20.04.3/20.04.4/22.04, Centos7.8/8.4/7.9, Redhat7.4, Debian10.0/11.6 |

## Dimension



### Physical Characteristic

|                    |                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------|
| Overall dimensions | W486.5x H307.4x D67mm                                                                                      |
| Installation size  | W470x H290.9mm                                                                                             |
| Material           | Aluminum alloy                                                                                             |
| Color              | Black, optional silve                                                                                      |
| Installation       | Supports embedded/panel mount, Inner embedded/VESA wall mount by VESA, desktop by VESA, cantilever by VESA |

### Interface Parameter

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Phoenix terminal | 1*12P Phoenix terminal (DC/RS232*1/RS485*1/GPIO*5)        |
| Power interface  | 1*Threaded DC connector (Diameter 5.5*2.1mm)              |
| 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               |
| Serial port      | 1*COM (The default is RS232, optional RS485/RS422)        |
| Wi-Fi antenna    | 2*Wi-Fi antenna                                           |
| Grounding        | 1*GND                                                     |
| Speaker          | 2*(8Ω5W)                                                  |

### 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                        |