

The overall use of flat aluminum alloy panel, fanless fully enclosed integrated design. Meet the requirements of different equipment in different environments. It is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

## Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- High precision aluminum alloy material.
- Self-developed fanless X86 architecture industrial motherboard
- Dual gigabit adaptive Ethernet ports for faster transmission.
- Industrial protection, applicable to various harsh environments.
- Supporting 12V-36V wide voltage power supply;
- Rich interfaces and strong extensibili.



## Product Model

|                  |     |
|------------------|-----|
| Product Size     | 19" |
| Non-touch        |     |
| Capacitive touch |     |
| Resistive touch  |     |

## Product Interface



## Product Specifications

### Screen Parameters

|                |                       |
|----------------|-----------------------|
| LCD Size       | 19" TFT LCD           |
| Resolution     | 1280×1024             |
| Viewing Angle  | 85/85/80/80(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                                     | /         |

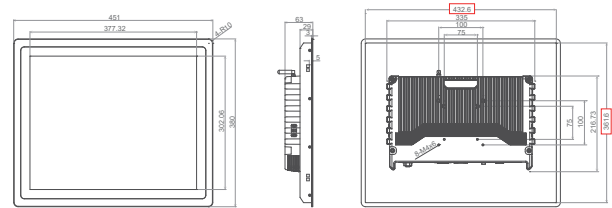
### Hardware Configuration

|                     |                                               |                              |                               |
|---------------------|-----------------------------------------------|------------------------------|-------------------------------|
| 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                | Dual band 2.4G&5G                             |                              |                               |
| Bluetooth           | BT4.0(Optional)                               |                              |                               |
| Operating system    | Win7/10/11, Ubuntu/Centos/Redhat/Debian/Linux |                              |                               |
| Other support       | Support RTC real-time clock and timing switch |                              |                               |

### Power parameters

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

## Product size



### Physical Characteristics

|                    |                     |
|--------------------|---------------------|
| Overall dimensions | W451 x H380 x D63mm |
| Size of opening    | W434.6 x H363.6mm   |

### Interface

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Power interface1 | 1*DC 2.5, Supporting 12V-36V power input                      |
| Power interface2 | 1*Industrial terminal, Supporting 12V-36V power input         |
| HDMI             | 1*HDMI, Supporting HDMI data output, Up to 4K                 |
| USB              | 2*USB 2.0 2*USB 3.0                                           |
| LAN              | 2*LAN, Dual 1000M adaptive Ethernet                           |
| AUDIO            | 1*Audio Out, Support audio output                             |
| SIM              | 1*SIM, Supporting various formats (Depending on 3G/4G module) |
| VGA              | 1*VGA                                                         |
| COM              | 2*RS232                                                       |
| WiFi antenna     | 2*WiFi antenna                                                |
| POWER            | Support (1*POWER)                                             |
| 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     |