

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 | 12.1" |
| Non-touch | OVPPC-121G-I7XX |
| Capacitive touch | OVPPC-121C-I7XX |
| Resistive touch | OVPPC-121R-I7XX |

Product Interface



Product Specifications

Screen Parameters

| | |
|----------------|-----------------------|
| LCD Size | 12.1" TFT LCD |
| Resolution | 1280*800 |
| Viewing Angle | 65/65/50/65 (L/R/U/D) |
| Colour | 16.7M |
| Brightness | 300 cd/m ² |
| Contrast ratio | 350:1 |

Touch Screen

| | |
|--------------------------|---|
| Touch screen type | 10 point touch projection capacitive touch screen |
| Light transmittance | ≥88% |
| Input mode | Handwriting or capacitive pen |
| Controller communication | USB |

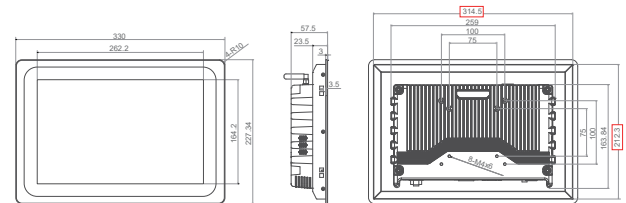
Hardware Configuration

| | | | | |
|---------------------|---|------------------------------|------------------------------|-------------------------------|
| CPU | I7-6500U | I7-7500U | I7-8565U | I7-10510U |
| CPU frequency | 2.5GHz | 2.7GHz | 1.8GHz | 1.8GHz |
| Integrated graphics | Inte HD Graphic 520 | Inte HD Graphic 620 | Intel Ultra HD Graphic 620 | Intel UHD630 Graphics |
| RAM | 4G DDR4 (Optional 8G/16G) | 4G DDR4(Optional 8G/16G/32G) | 4G DDR4(Optional 8G/16G/32G) | 8G DDR4(Optional 16G/32G/64G) |
| Storage | 128G SSD (Optional 256/512G) | | | |
| WiFi | 2.4GHz / 5GHz dual bands | | | |
| Bluetooth | BT4.0(Optional) | | | |
| Operating system | Windows7/10/11; Ubuntu16.04.7/8.04.5/20.04.3; Centos7.6/7.8 | | | |
| 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 | W330x H227.34x D57.5mm |
| Size of opening | W316.5 x H214.3mm |

Interface

| | |
|---------------------|---|
| DC | 1*DC 2.5 |
| HDMI | 1*HDMI, Support HDMI data output, maximum support 1080P |
| USB | 2*USB 2.0 2*USB 3.0 |
| LAN | 2*LAN,Dual 1000M adaptive Ethernet |
| AUDIO | 1*Audio I/O,Support audio input and output |
| SMI card | Standard SIM card interface, supporting various standards (depending on 3G/4G module) |
| VGA | 1*VGA |
| RS232 | 2*RS232(Optional RS485,RS422,GPIO) |
| POWER | 1*POWER |
| Industrial terminal | 1*Industrial terminal |

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 |