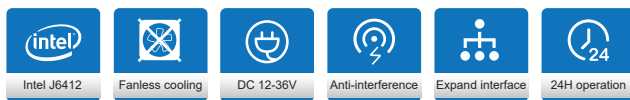The whole machine adopts aluminum alloy structure, fanless fully enclosed design, a variety of self-developed industrial motherboard, can meet the needs of different applications. Support a variety of installation methods, the machine low power consumption, with good scalability, practicality and EMC compatibility and other performance, widely used in industrial control, military, communications, power and network and other automation fields.

Features

- Independent moulding, development and production of the exterior
- Self-developed X86 architecture industrial grade motherboard
- Powered by Intel Celeron J6412 quad-core high-speed processor
- Industrial-grade protection, adapt to a variety of harsh environments
- Support 12-36V wide voltage power supply
- Rich expansion interface, compatible with 99% of the industry software

| Intel J6412 | Fanless cooling | DC 12-36V | Anti-interference | Expand interface | 24H operation |

ISO FC CE CCC **RoHS** 10 🗙

Product Model

Product Size	7"
Non-touch	OVPPC-107G-J64
Capacitive touch	OVPPC-107C-J64
Resistive touch	OVPPC-107R-J64

Product Interface

| GND | Wifi | POWER | DC 12-36V | USB | USB | LAN | HD/SIM | VGA | Audio I/O |

Product Specifications

Screen Parameters

LCD size	7" TFT LCD
Resolution	1024*600(16:9)
Viewing angle	75/75/70/75 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m²
Contrast ratio	500:1

Touch Parameters

Touch type	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Transmittance	≥88%	≥78%	≥92%
Input mode	Handwriting or Capacitance pen	Fingertip or stylus	/
Controller communication	USB	USB	/

Hardware Configuration

CPU	Intel Celeron J6412, 4 cores/4 wires, frequency 2.00 GHz (Maximum RF: 2.7GHz)		
Memory	Standard: 8GB (It supports up to 16GB)	WiFi	2.4GHz/5GHz, Dual frequencyWiFi
Storage	Standard: 256GB SSD (optional 256GB~512GB/1T~4T SSD, 1T/2T HDD）	Bluetooth	BT4.0(Optional)
Integrated graphics	Intel UHD Graphics 16 EUs	Other support	RTC real-time clock and timing switch
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		

Power Parameters

Power input	DC 12V~36V	Static power	18W

Product Size
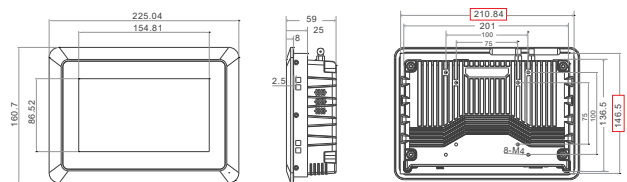
Physical Characteristics

Overall dimensions	W225.04x H160.7x D59mm
Size of opening	W212.84 x H148.5mm

Interface Parameters

Power interface	1*DC【5.5*2.5mm】Supporting wide voltage 12V-36V power supply
USB	2*USB 2.0, 2*USB 3.0
Network interface	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 I/O, Support audio input and output
WiFi antenna	2*WiFi antenna
POWER	1*POWER
Grounding post	1*Grounding post (GND)

Product Reliability Parameters

Working temperature	-10°C~60°C
Storage temperature	-20°C~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, Lasting for 11ms
Waterproof grade	The front panel reaches IP65 protection level