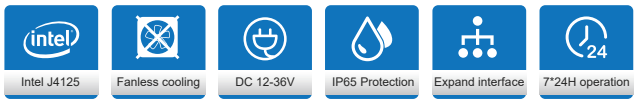
Fanless Panel PC
17" Embedded CPU
OVPPC-117-J64

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 J4125 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



Product Model

Product Size	17"
Non-touch	OVPPC-117G-J64
Capacitive touch	OVPPC-117C-J64
Resistive touch	OVPPC-117R-J64

Product Interface

Product Specifications

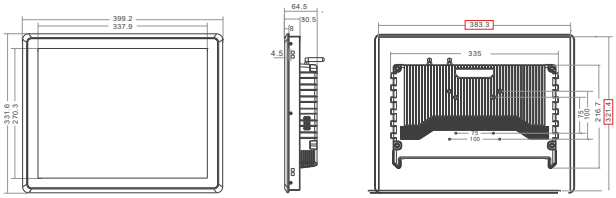
Screen Parameters

LCD size	17" TFT LCD
Resolution	1280*1024
Viewing angle	85/85/80/70 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	1000:1

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	/

Product Size



Physical Characteristics

Overall dimensions	W399.2X H331.6X D64.5MM
Size of opening	W385.3 X H323.4MM

Interface Parameters

Power key	1*POWER
Power interface1	1*Industrial terminals, Support 12V-36V wide voltage power supply
Power interface2	1*DC2.5, Supporting wide voltage 12V-36V power supply
USB	2*USB 2.0, 2*USB 3.0
Network interface	2*LAN, 1*Realtek PCI-E NIC RTL8111H (Applicable to 1000Mbps) 1*Realtek PCI-E NIC RT8152B (Applicable to 1000Mbps)
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 output, support audio output
WiFi antenna	2*WiFi antenna
COM	2*RS232

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
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level

Hardware Configuration

CPU	Intel Celeron J4125 quad-core 2.0GHz (Maximum RF: 2.7GHz)	Broad pressure	Support wide voltage 12V-36V
Memory	4G DDR4 2400MHz (Optional 8G)	WiFi	2.4GHz/5GHz, Dual-band WiFi
Storage	64G SSD (Optional：128/256/512G)	Bluetooth	BT4.0（Optional）
Integrated graphics	Intel UHD Graphics 600	Other support	RTC real-time clock and timing switch
Operating system	Win10 Professional/Enterprise/Home, Win11 Professional, Ubuntu 16.04.7,Ubuntu 18.04.6/Centos7.8/Centos7.9/Centos8.4		

Power Parameters

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