

The whole machine is a universal face frame, aluminum alloy structure, fully enclosed fanless design, independent research and development of industrial motherboard, support a variety of installation methods, the whole machine low power consumption, with good scalability, practicality and EMC compatibility and other performance; widely used in industrial control, military, communications, power, and other automation fields.

Features

- Independent moulding, development and production of the exterior
- Self-developed industrial grade motherboards with ARM architecture
- Extensive interface design, highly expandable
- Complies with EMC standards for immunity to electromagnetic interference
- Industrial grade protection for a wide range of harsh environments
- Provide SDK package and support secondary development



Product Model

Product Size	7"
Non-touch	OVPPC-107G-A33
Capacitive touch	OVPPC-107C-A33
Resistive touch	OVPPC-107R-A33

Product Interface



Product Specifications

Screen Parameters

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

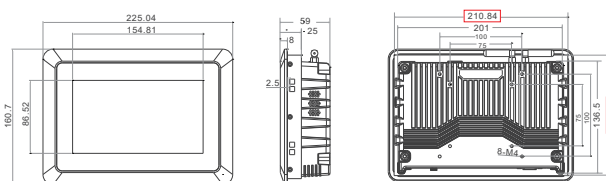
Touch Parameters

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	RK3399, dual-core Cortex-A72 1.8GHz+quad-core Cortex-A53 1.4GHz	Broad pressure	Support wide voltage 12V-36V
Memory	4G DDR3 (Optional: 8G/16G)	WiFi	2.4GHz
Storage	32G eMMC (Optional: 64G)	Bluetooth	BT5.0
GPU	Mali-T860MP4	Other support	RTC real-time clock and timing switch
Operating system	Android 7.1/9.0/11/Ubuntu18.04/Debian10.0/Linux4.4+QT		

Product Size



Physical Characteristics

Overall dimensions	W225.04X H160.7X D59MM
Size of opening	W212.84 X H148.5MM

Interface Parameters

Power button	1*POWER
Power interface	1*DC2.1, Supporting 12V-36V power input
USB	1*USB HOST, 1*USB OTG
TF	Support TF expansion card (1*TF card slot)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
Audio interface	1*Audio I/O, Support audio input and output
Reset key	Support (1*UBOOT)
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

Power Parameters

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