Industrial Medical Panel PC
12" Embedded CPU
OVPPC-120-A32-MD

Adopt a higher standard LCD screen and a high-precision touch screen. The fuselage is made of aluminum alloy structure. The fully enclosed fanless design scheme is specially designed for complex medical environment, which can ensure long-term stable operation under complex medical conditions; All products have obtained medical test reports such as EMI, ESD, safety regulations, pulse group, emission radiation, etc

Features

- Self-developed industrial motherboard with multiple touch modes
- Anti-vibration, anti-radiation, anti-static layout structure design
- Upgraded anti-interference internal layout, ESD up to: ±8KV~±15KV.
- Industrial-grade protection, adapt to a variety of harsh environments.
- Obtained medical industry test report EN 60601-1-2:2015
- Supports desktop, wall, cantilever, boom and recessed mounting



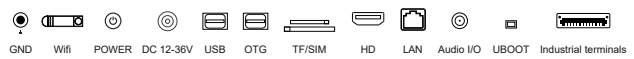


Product Model

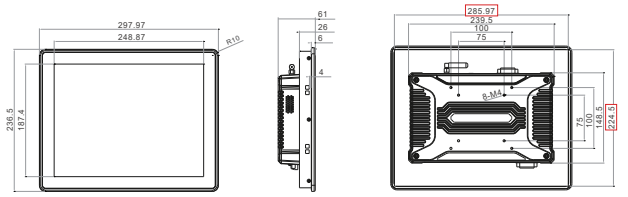
Product Size	12"
Non-touch	OVPPC-120G-A32-MD
Capacitive touch	OVPPC-120C-A32-MD
Resistive touch	OVPPC-120R-A32-MD

Product Interface





Product Size



Physical Characteristics

Overall dimensions	W297.97X H236.5X D61MM
Size of opening	W287.97X H226.5MM

Interface Parameters

Power interface1	2*Industrial terminals, Support 12V-36V wide voltage power supply
Power interface2	1*DC2.1, Support 12V-36V wide voltage power supply
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)

Product Reliability Parameters

Working temperature	-20°C~70°C
Storage temperature	-30°C~80°C
Relative humidity	Humidity: 95% Non-Condensing
ESD	Contact ±8KV, air ±15KV
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 12-36V
Static power	18W

Product Specifications

Screen Parameters

LCD size	12" TFT LCD
Resolution	1024*768
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	500 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	/

Hardware Configuration

CPU	RK3288, Cortex-A17 quad-core, 1.8GHz	WiFi	2.4GHz
Memory	2G DDR3 (Optional: 4G/8G)	Bluetooth	BT5.0
Storage	16G eMMC (Optional: 32G/64G)	RTC Real Time Clock	Support
GPU	Mali-T764	Timed switch on/off	Support
Operating system	Android 7.1/10.0/Linux4.4/Ubuntu18.04/Debian10.0		