



Open Frame Panel PC

10,1" Android A32 CPU

OVPPC-101-A32-OF

It adopts RK3288 Cortex-A17 quad-core processor, and is equipped with Android 7.1 system, with a main frequency of up to 1.8 GHz, and excellent performance. The adoption of Mali-T764 GPU, which supports most mainstream decoding schemes under 1080 P @ 60 f p s and H.264/MVC/VP8 decoding schemes under 1080 P @ 30 f p s, is your best choice in human-computer interaction projects.

## Features >>

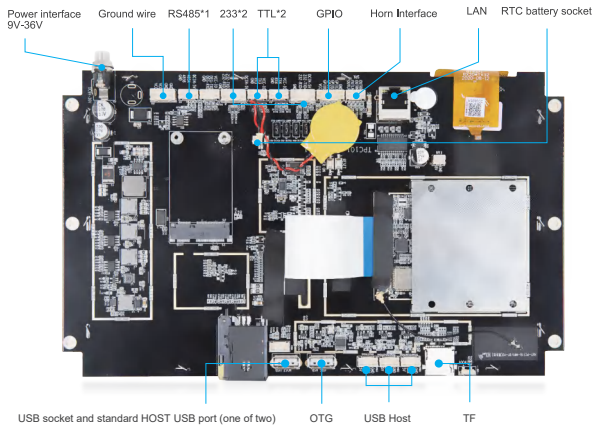
- High integration, realizing WiFi/Bluetooth/Ethernet triple connection.
- Rich interfaces and flexible expansion.
- Self-developed ARM architecture motherboard, smooth human-computer interaction experience.
- Support 9V~36V wide voltage power input
- API reference code is provided to support customization of SDK secondary development.
- Flexible and diverse open installation methods.



## Product Model

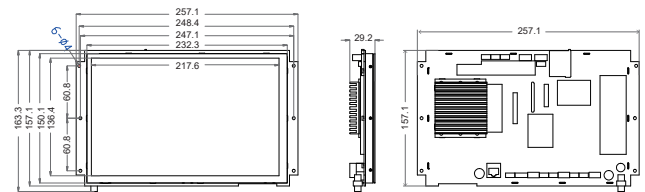
Product Size	10.1"
Capacitive touch	OVPPC-101C-A32-OF

## Product Interface



(PCB: 4-ply plate, size: 257 \* 157mm, plate thickness: 1.6mm, screw hole specification:  $\phi$  3.2mm x 6)

## Product size



## Physical Characteristics

Overall dimensions	W257.1x H163.3x D29.2mm
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## Product Reliability

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, duration 11ms
Authentication	CCC/CE/FCC/EMC/CB/ROHS

## Touch Screen

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

## Product Specifications

### Screen Parameters

LCD Size	10.1" TFT LCD	Colour	16.7M
Resolution	800x1280	Brightness	300 cd/m <sup>2</sup>
Viewing Angle	85/85/85/85 (L/R/U/D)	Contrast ratio	1000:1

### Hardware Configuration

CPU	RK3288, quad core	USB interface	1*USB OTG, 1*USB HOST, 4*USB sockets
CPU frequency	1.8GHz	COM	Default 2 * 232, 1 * DEBUG port, optional 2 * TTL
GPU	Mali-T764	Picture format	Support BMP, JPEG, PNG, GIF, etc
RAM	2G DDR3 (Optional 8G)	GPS	External GPS (optional)
Storage	8G eMMC (Optional 16G/32G/64G)	TF card	Support TF card extension
WiFi	2.4GHz / 5GHz dual bands	Audio and video output	Support left and right channel output, built-in dual 4R/2W, 8R/2W power amplifier
Bluetooth	BT4.2(Optional)	System upgrade	Support local TF and USB upgrade
Operating system	Android 7.1/10.0, Linux4.4/Ubuntu18.04/Debian10.0/linux4.4+QT		

### Power parameters

Input voltage	DC 9V~36V	Static Power	18W
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