

**Fanless Panel PC****10,1" Embedded CPU****OVPPC-101-A3576**

The entire panel PC utilizes a self-developed industrial motherboard with an integrated independent NPU, offering 6 TOPS of AI computing power and supporting lightweight AI application development. Its 3mm ultra-thin front panel seamlessly fits various types of cabinets. The device excels in anti-interference and thermal performance, capable of withstanding harsh working conditions such as extreme temperatures, oil, dust, and vibrations.

Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Supports wide temperature and wide voltage operation.
- Self-developed ARM architecture industrial motherboard
- RK3576, Octa-core 64-bit CPU, Main frequency 2.2GHz
- Built-in independent NPU with 6TOPS AI computing power
- Support secondary development and upgrade customization



Model

Product size	10.1"
Non-touch	OVPPC-101G-A3576
Capacitive touch	OVPPC-101C-A3576
Resistive touch	OVPPC-101R-A3576

I/O Interface



Specification

Screen Parameter

Display type	10.1" TFT LCD screen
MAX.resolution	800*1280 (16:10)
Viewing angle(H/V)	85/85/85/85 (L/R/U/D)
Luminance (cd/m²)	300 cd/m²
Contrast ratio	1000:1

Touch Parameter

Touchscreen	Projection capacitive touch 10-point multi touch	Resistive touch single point	Non-touch
Light transmission	≥88%	≥78%	≥92%
Controller	USB (COM customized)	USB (COM customized)	/

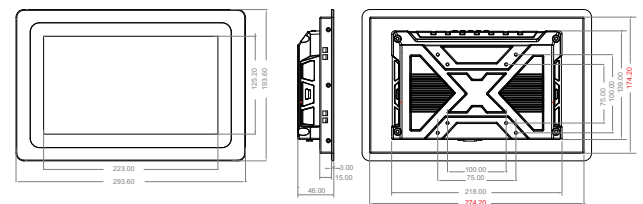
Power Parameter

Power input	DC 12V-36V
Power adapter	24V/2.5A

Configuration

CPU	RK3576, Octa-core 2.2GHz CPU	Wi-Fi	Wi-Fi 6, Dual Band 2.4GHz+5GHz
Memory/RAM	4GB (Optional 8GB)	Bluetooth	BT5.3
Storage	64GB eMMC (Optional 128GB/256GB)	Watchdog Timer	Support
NPU	6 TOPS AI computing power	RTC real time clock	Support
Operating system	Android14, Ubuntu/Debian/Linux	Timer switch	Support

Dimension



Physical Characteristic

Overall dimensions	W293.6x H193.6x D46mm
Installation size	W276.2 x H176.2mm
Material	Aluminum alloy
Color	Black, optional silve
Installation	Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/Folding mounting/VESA mount/Suspended mounting, etc.

Interface Parameter

PowerSW	1*PowerSW
Power interface	1*3.81-2P Phoenix Terminal (Optional upgrade to DC 2.0*1)
Phoenix terminal	1*12P Phoenix terminal (CAN*1/232*2/485*2/5V/GND)
USB	4*USB (2*USB2.0, 2*USB3.0)
TF	Supports TF Card Expansion (1*TF Card Slot)
SIM	1*SIM card slot (should be work with 3G/4G module)
HDMI	1*HDMI output, up to 4K
Ethernet	1*LAN, 10M/100M/1000M adaptive Ethernet, 3G/4G customized
Audio	1*Audio I/O, Support audio input and output
Serial port	Standard1*DB9 RS232 Serial Port (232/TTL Interchangeable)
UBOOT	1*UBOOT
Wi-Fi antenna	1*Wi-Fi antenna
Grounding	1*GND
Speaker	2*(8Ω2W)

Reliability Parameter

Operating temperature	-10°C~60°C (-20°C~70°C can be customized)
Storage temperature	-20°C~70°C
Relative humidity	95% non-condensing