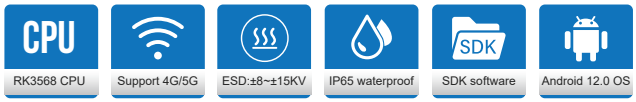
Fanless Android Panel PC
RK35 Cortex-Quad Core
10,1" ~ 23,8" Series

# Embedded ARM All-in-One Panel PC

**The industrial motherboard is independently researched and developed, and a variety of configuration schemes meet different application needs. The 3MM ultra-thin front frame seamlessly fits all kinds of cabinet equipment. It has an all aluminum alloy structure, fan free and totally enclosed design, and multiple sizes of 10.1 "~23.8" are available for selection. The front panel is made of pure flat wire drawing process, which is dustproof and waterproof. The whole machine has low power consumption, good scalability, practicability, EMC compatibility and other performances.**

## Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- High precision aluminum alloy fuselage.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- RK3568 quad core 64 bit 2.0GHz CPU, more powerful AI computing power.
- EMC anti-interference standard.
- Industrial-grade protection, adapt to a variety of harsh environments.
- Super network communication capability, faster and more stable data transmission. support Android system customization, can provide API Reference code,

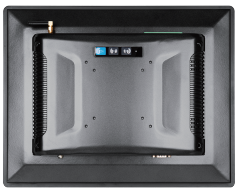


RK3568 CPU | Support 4G/5G | ESD:±8~±15KV | IP65 waterproof | SDK software | Android 12.0 OS

ISO FC CE RoHS

10.1"~23.8" optional

## Product Model

| Product size | Non-touch | Capacitive Touch | Resistive Touch | Resolution | Screen Scale | Brightness | Contrast ratio | Viewing Angle | Back Cover Style |
|---|---|---|---|---|---|---|---|---|---|
| 10.1" | OVPPC-101G-A35 | OVPPC-101C-A35 | OVPPC-101R-A35 | 1280*800 | 16:10 | 300cd/m² | 1000:1 | 85/85/85/85 (L/R/U/D) |  (10.1-12.1 inch small back cover) |
| 10.4" | OVPPC-104G-A35 | OVPPC-104C-A35 | OVPPC-104R-A35 | 1024*768 | 4:3 | 400cd/m² | 1000:1 | 80/80/80/80 (L/R/U/D) | |
| 11.6" | OVPPC-116G-A35 | OVPPC-116C-A35 | OVPPC-116R-A35 | 1920*1080 | 16:9 | 300cd/m² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 12" | OVPPC-120G-A35 | OVPPC-120C-A35 | OVPPC-120R-A35 | 1024*768 | 4:3 | 500cd/m² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 12.1" | OVPPC-121G-A35 | OVPPC-121C-A35 | OVPPC-121R-A35 | 1280*800 | 16:10 | 300cd/m² | 350:1 | 65/65/50/65 (L/R/U/D) | |
| 13.3" | OVPPC-133G-A35 | OVPPC-133C-A35 | OVPPC-133R-A35 | 1920*1080 | 16:9 | 220cd/m² | 1000:1 | 85/85/85/85 (L/R/U/D) |  (13.3-23.8 inch large back cover) |
| 15.6" | OVPPC-156G-A35 | OVPPC-156C-A35 | OVPPC-156R-A35 | 1920*1080 | 16:9 | 300cd/m² | 800:1 | 85/85/85/85 (L/R/U/D) | |
| 15" | OVPPC-115G-A35 | OVPPC-115C-A35 | OVPPC-115R-A35 | 1024*768 | 4:3 | 300cd/m² | 1000:1 | 89/89/89/89 (L/R/U/D) | |
| 17" | OVPPC-117G-A35 | OVPPC-117C-A35 | OVPPC-117R-A35 | 1280*1024 | 5:4 | 300cd/m² | 1000:1 | 85/85/80/70 (L/R/U/D) | |
| 17.3" | OVPPC-173G-A35 | OVPPC-173C-A35 | OVPPC-173R-A35 | 1920*1080 | 16:9 | 300cd/m² | 600:1 | 80/80/60/80 (L/R/U/D) | |
| 18.5" | OVPPC-185G-A35 | OVPPC-185C-A35 | OVPPC-185R-A35 | 1920*1080 | 16:9 | 400cd/m² | 1000:1 | 89/89/89/89 (L/R/U/D) | |
| 19" | OVPPC-119G-A35 | OVPPC-119C-A35 | OVPPC-119R-A35 | 1280*1024 | 5:4 | 300cd/m² | 1000:1 | 85/85/80/80 (L/R/U/D) | |
| 19.1" | OVPPC-191G-A35 | OVPPC-191C-A35 | OVPPC-191R-A35 | 1440*900 | 16:10 | 300cd/m² | 1000:1 | 80/80/80/80 (L/R/U/D) | |
| 21.5" | OVPPC-215G-A35 | OVPPC-215C-A35 | OVPPC-215R-A35 | 1920*1080 | 16:9 | 300cd/m² | 1000:1 | 89/89/89/89 (L/R/U/D) | |
| 23.8" | OVPPC-238G-A35 | OVPPC-238C-A35 | OVPPC-238R-A35 | 1920*1080 | 16:9 | 250cd/m² | 1000:1 | 89/89/89/89 (L/R/U/D) | |

## Product Installation

Embedded installation | Embedded installation | Wall mounted installation | Desktop installation | Louver installation | Cantilever installation | Boom type installation

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# 10,1" ~ 23,8" Series

## Product Specifications »

| | |
|---|---|
| CPU | RK3568 quad core 64 bit Cortex-A55 core architecture, with a main frequency of up to 2.0GHz |
| GPU | ARM Mali-G52 2EE |
| RAM | 2G LPDDR4 (optional 4G/8G) |
| Storage | 32G eMMC (optional 64G/128G) |
| System | Android 12.0 |
| 4G | 4G module interface with built-in MINIPCIE |
| Network support | 4G, Ethernet, support for WiFi/Bluetooth, wireless peripheral expansion |
| **Touch parameters** | |
| Capacitive Touch | Touch screen type: 10 point touch projection capacitive touch screen<br>Light transmittance: ⩾ 88%<br>Input mode: handwriting or capacitive pen<br>Controller communication: USB |
| Resistive Touch | Touch screen type: single point resistive touch screen<br>Light transmittance: ⩾ 78%<br>Input mode: Fingertip or stylus<br>Controller communication: USB |
| Non touch | Light transmittance: ⩾ 92% |
| **Reliability parameters** | |
| working temperature | Operating temperature: - 10 ° C~60 ° C, storage temperature: - 20 ° C~70 ° C |
| Operating 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 |
| Product certification | CCC/CE/FCC/EMC/CB/ROHS |
| **Other parameters** | |
| Power input | 12-36V power input |
| Static power | 18W |
| Fuselage Properties | Body material: aluminum alloy, body color: classic black, technical silver |
| warranty policy | Three years (one year free warranty) |
| Installation method | Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods |
| **I/O Interface** | |
| Power interface 1 | 1*DC 2.1, Support 12V-36V wide voltage power supply |
| Power interface 2 | 1*Industrial terminal (12-36V GND TX1 RXI GND CANH CANL I02 I01 I00 485B 485A) |
| HDMI | 1*HDMI output, supporting up to 4K |
| USB | 2*USB 3.0 |
| LAN | 1*1000M adaptive Ethernet |
| TF | 1*TF data storage, maximum support 32G |
| SIM | 1*SIM,SIM card interface standard interface supports various formats (depending on 3G / 4G module) |
| AUDIO | 1*Audio I/O,Support audio input and output,Headphone: 3.5mm standard interface |
| UBOOT | Support (1*UBOOT) |
| COM | 1*COM(The default is RS232, optional RS485/RS422) |
| Wifi antenna | 1*Wifi antenna |
| Grounding column | Support (1*GND) |

## Interface Distribution »