

Industrial Android 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 >>

- The front frame is only 3mm thick, specially designed for embedded installation applications.
- High precision die-casting aluminum molding, pure plane wire drawing process design, dustproof and waterproof.
- Independent research and development of ARM architecture industrial motherboard, with a variety of options.
- Conform to EMC anti electromagnetic interference standard.
- Industrial protection, applicable to various harsh environments.
- SDK package is provided to support secondary development and upgrade customization.



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-A33 | OVPPC-101C-A33 | OVPPC-101R-A33 | 1280*800 | 16:10 | 300cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) |  (10.1-12.1 inch small back cover) |
| 10.4" | OVPPC-104G-A33 | OVPPC-104C-A33 | OVPPC-104R-A33 | 1024*768 | 4:3 | 400cd/m ² | 1000:1 | 80/80/80/80 (L/R/U/D) | |
| 11.6" | OVPPC-116G-A33 | OVPPC-116C-A33 | OVPPC-116R-A33 | 1920*1080 | 16:9 | 300cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 12" | OVPPC-120G-A33 | OVPPC-120C-A33 | OVPPC-120R-A33 | 1024*768 | 4:3 | 500cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 12.1" | OVPPC-121G-A33 | OVPPC-121C-A33 | OVPPC-121R-A33 | 1280*800 | 16:10 | 300cd/m ² | 350:1 | 65/65/50/65 (L/R/U/D) |  (13.3-23.8 inch large back cover) |
| 13.3" | OVPPC-133G-A33 | OVPPC-133C-A33 | OVPPC-133R-A33 | 1920*1080 | 16:9 | 220cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 15.6" | OVPPC-156G-A33 | OVPPC-156C-A33 | OVPPC-156R-A33 | 1920*1080 | 16:9 | 300cd/m ² | 800:1 | 85/85/85/85 (L/R/U/D) | |
| 15" | OVPPC-115G-A33 | OVPPC-115C-A33 | OVPPC-115R-A33 | 1024*768 | 4:3 | 300cd/m ² | 1000:1 | 89/89/89/89 (L/R/U/D) | |
| 17" | OVPPC-117G-A33 | OVPPC-117C-A33 | OVPPC-117R-A33 | 1280*1024 | 5:4 | 300cd/m ² | 1000:1 | 85/85/80/70 (L/R/U/D) | |
| 17.3" | OVPPC-173G-A33 | OVPPC-173C-A33 | OVPPC-173R-A33 | 1920*1080 | 16:9 | 300cd/m ² | 600:1 | 80/80/60/80 (L/R/U/D) | |
| 18.5" | OVPPC-185G-A33 | OVPPC-185C-A33 | OVPPC-185R-A33 | 1920*1080 | 16:9 | 400cd/m ² | 1000:1 | 89/89/89/89 (L/R/U/D) | |
| 19" | OVPPC-119G-A33 | OVPPC-119C-A33 | OVPPC-119R-A33 | 1280*1024 | 5:4 | 300cd/m ² | 1000:1 | 85/85/80/80 (L/R/U/D) | |
| 19.1" | OVPPC-191G-A33 | OVPPC-191C-A33 | OVPPC-191R-A33 | 1440*900 | 16:10 | 300cd/m ² | 1000:1 | 80/80/80/80 (L/R/U/D) | |
| 21.5" | OVPPC-215G-A33 | OVPPC-215C-A33 | OVPPC-215R-A33 | 1920*1080 | 16:9 | 300cd/m ² | 1000:1 | 89/89/89/89 (L/R/U/D) | |
| 23.8" | OVPPC-238G-A33 | OVPPC-238C-A33 | OVPPC-238R-A33 | 1920*1080 | 16:9 | 250cd/m ² | 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

Product Specifications >>

| | |
|-----------|--|
| CPU | RK3399,Dual-core Cortex-A72 up to 1.8GHz,Quad-core Cortex-A53 up to 1.4GHz |
| GPU | Mali-T860 GPU |
| RAM | 4G DDR3 (Optional 8G) |
| Storage | 32G eMMC (Optional 64G) |
| System | Android 7.1/9.0/11/Ubuntu18.04/Debian10.0/linux4.4+QT |
| Ethernet | 10M/100M/1000M |
| WIFI | 2.4GHz / 5GHz dual bands |
| Bluetooth | BT5.0 |

Touch parameters

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|------------------|--|
| Capacitive Touch | Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: $\geq 88\%$ Input mode: handwriting or capacitive pen Controller communication: USB |
| Resistive Touch | Touch screen type: single point resistive touch screen Light transmittance: $\geq 78\%$ Input mode: Fingertip or stylus Controller communication: USB |
| Non touch | Light transmittance: $\geq 92\%$ |

Reliability parameters

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|-----------------------|--|
| 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

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|------------------|--|
| Power interface | 1*DC2.1, Support 12V-36V wide voltage power supply |
| HDMI | 1*HDMI, Support HDMI data output, maximum support 4K |
| USB | 1*USB HOST , 1*USB OTG |
| Internet port | 1*LAN,10M/100M/1000M adaptive Ethernet |
| TF | 1*TF data storage, maximum support 32G |
| AUDIO | 1 * Audio I/O, supporting audio input and output, headphone stand: 3.5mm standard interface |
| SIM | 1*SIM,SIM card interface standard interface supports various formats (depending on 3G / 4G module) |
| COM | 2 * COM (RS232 by default, RS485/RS422 optional) |
| UBOOT | Support (1*UBOOT) |
| WIFI antenna | 2*WIFI antenna |
| Grounding column | Support (1*GND) |

Interface Distribution >>

