

The machine is made of aluminum alloy material, strong structure, fully closed without fan design, efficient heat dissipation, designed for a variety of complex harsh environment. built-in independent NPU, with 6TOPS AI computing capability, and supports lightweight AI application development. With a fanless fully enclosed, and front IP65 dustproof & waterproof design. The whole panel PC has high scalability, practicality, and EMC compatibility.

Features

- Industrial aesthetic design, independent mold opening
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- RK3588 Octa-core with 6 TOPS NPU
- Wide Temperature Adaptation Efficient Heat Dissipation.
- Provide SDK package, Support secondary development and upgrade customization



Product Model

| | |
|------------------|-------|
| Product Size | 19.1" |
| Non-touch | |
| Capacitive touch | |
| Resistive touch | |

Product Interface



Product Specifications

Screen Parameters

| | |
|----------------|-----------------------|
| LCD size | 19.1" TFT LCD |
| Resolution | 1440*900(16:10) |
| Viewing angle | 80/80/80/80 (L/R/U/D) |
| Color | 16.7M |
| Brightness | 300 cd/m ² |
| Contrast ratio | 1000:1 |

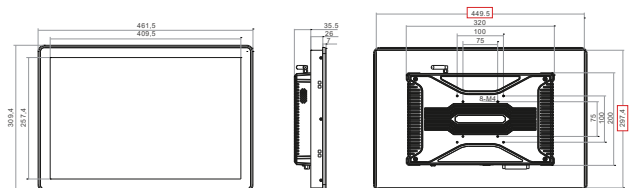
Touch Parameters

| | | | |
|--------------------------|---|--------------------------------------|-----------|
| 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 | RK3588, Octa-core 64-bit core architecture, 4*Cortex-A76+4*Cortex-A55 | NPU | Built-in NPU with 6TOPS AI computing power |
| Memory | 8GB LPDDR4 (Optional 4GB/16GB/32GB, Supports up to 32GB) | WiFi | WiFi 6 Dual Band 2.4G/5G |
| Storage | 64GB eMMC (Optional 128GB/256GB, Supports up to 256GB) | Bluetooth | Support Bluetooth 5.0 |
| GPU | ARM Mali G610 MP4 | Operating system | Android 13.0/Linux5.10/Ubuntu20.04/Debian11 |

Product Size



Physical Characteristics

| | |
|--------------------|-------------------------|
| Overall dimensions | W461.5X H309.4X D68.5MM |
| Size of opening | W451.5 X H299.4MM |

Interface Parameters

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|----------------------|--|
| Industrial terminals | 1*12P Phoenix terminal (Power supply/RS232*1/RS485*1/CAN*1/GPIO*3) |
| Power interface | 1*DC 【5.5*2.1mm】 , Supporting 12V-36V power input |
| USB | 2*USB(1*USB 2.0, 1*USB 3.0) |
| TF | 1*TF card standard interface |
| HDMI | 1*HDMI, Supporting HDMI data output, Up to 4K |
| SIM | 1*SIM, Supporting various formats (Depending on 3G/4G module) |
| Network interface | 2*LAN, 10M/100M/1000M adaptive Ethernet |
| Audio interface | 1*Audio I/O, Support audio input and output |
| COM | 1*RS232 |
| Reset key | Support (1*UBOOT) |
| WiFi antenna | 1*WiFi antenna |
| Grounding post | 1*Grounding post (GND) |

Product Reliability Parameters

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|----------------------|--|
| 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, Lasting for 11ms |
| Waterproof grade | The front panel reaches IP65 protection level |

Power Parameters

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|--------------|------------|
| Power input | DC 12V-36V |
| Static power | 18W |