

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

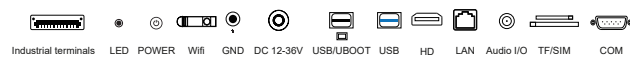
- Industrial aesthetic design, independent mold opening
- Aluminum alloy - body die casting, efficient heat dissipation
- Self-developed ARM architecture industrial motherboard
- RK3588 Octa-core with 6 TOPS NPU
- Wide Temperature Adaptation Efficient Heat Dissipation.
- Provide SDK package, Support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



## Product Model

Product Size	21.5"
Non-touch	
Capacitive touch	
Resistive touch	

## Product Interface



## Product Specifications

### Screen Parameters

LCD size	21.5" TFT LCD
Resolution	1920*1080 (16:9)
Viewing angle	89/89/89/89 (L/R/U/D)
Color	16.7M
Brightness	300 cd/m <sup>2</sup>
Contrast ratio	1000:1

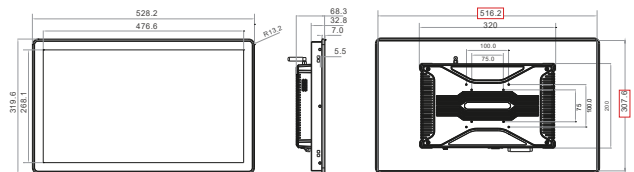
### Touch Parameters

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/Linux 5.10/Ubuntu20.04/Debian11

## Product Size



### Physical Characteristics

Overall dimensions	W528.2X H319.6X D68.3MM
Size of opening	W518.2 X H309.6MM

### Interface Parameters

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

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

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