High-Performance Android Mini PC

Slimmer body, more powerful performance, designed for high-end automation field. All-aluminum alloy architecture, multiple industrial-grade protection, to deal with a variety of harsh use environment. High-performance version equipped with octa-core 64-bit RK3588 high-performance processor, powerful open source attributes to support higher-level expansion and upgrade applications. Perfectly adapted to the needs of industrial control, military, communications, power, network and other intelligent automation applications, providing customers from all walks of life with mature customized solutions

Features ≫

- High precision full aluminum alloy body, fine texture
- Self-developed ARM architecture industrial-grade motherboard, suitable for a variety of complex applications
- RK3588 octa-core 64-bit 2.4GHz high-performance CPU
- Rich interface, flexible expansion, easy installation
- Powerful open source attributes, breakthrough application limitations, support secondary development

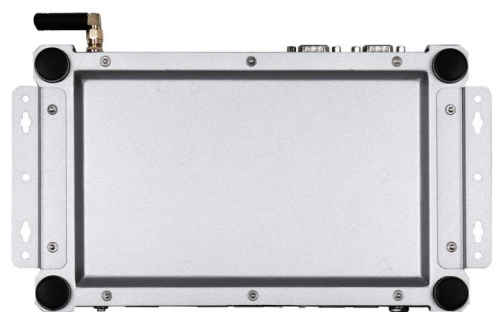| RK3588 | 12V-36V | EMC/EMI | Provide SDK | Rich interfaces | Android 12.0 |

Product Model ≫

Product model	TPC02-AIOT
Processor	RK-3588 4*A76(MAX2.4G)+4*A55(MAX1.8GHz)
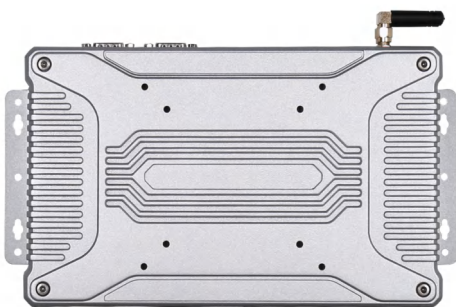
Front

Side

Back

Product Installation ≫

Desktop installation

Rack Mount

Product size ≫
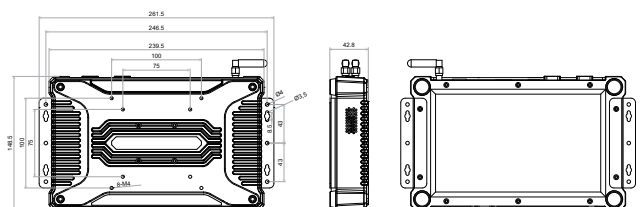
Product Specifications ≫

Hardware Configuration

CPU	RK-3588 4*A76(MAX2.4GHz)+4*A55(MAX1.8GHz)
GPU	Mali-G610 MC4
NPU	6TOPS AI computing power
Memory	8G LPDDR4X
Storage	64G EMMC
SATA	1 SATA hard drive interface
Built-in ROM	4KB EEPROM
WiFi	2.4G+5G WIFI
Bluetooth	BT5.0
Operating System	Android 12.0, Linux5.10, Ubuntu/Debian
Decoding Resolution	Supports up to 8K/60HZ
4G/5G	4G module interface for Mini-Pcie, M.2 5G module interface
Network Support	4G, 5G, Ethernet, WiFi/Bluetooth support, wireless peripheral expansion

Interface parameters

DC Port	1*DC 55*21 with thread, can support 12V-36V wide voltage power supply
HDMI OUT	1*HDMI OUT, support HDMI data output, maximum support 1080P
HDMI IN	1*HDMI IN, support HDMI data input, maximum support 1080P
USB	1*USB OTG, 3*USB3.0
LAN	2*10M/100M/1000M Adaptive Ethernet
Headphone Stand	3.5mm standard connector
SIM	1*SIM, SIM card standard interface Support various standards (depending on 3G/4G module)
TF	Support TF expansion card (1*TF card slot)
GPS	External GPS (optional)
COM	The whole machine is equipped with 2 * RS232 interface; the motherboard comes with 5 * serial sockets (1 * RS232, 1 * 485, 1 * TTL, 2 * RS232/TLL switching sockets)

Reliability parameters

Temperature	Operating temperature: -10 °C ~60 °C,Storage temperature: -20 °C ~70 °C
Working 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, 11ms duration
Product Certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	12V-36V power input
Static power consumption	24W
Fuselage Material	All aluminum alloy
Body color	Technology silver, classic black
Bare Machine Weight	1.2KG
Overall weight	1.6KG
Installation method	Support desktop and rack installation
Warranty policy	Three years (one year free warranty)

Product Installation ≫