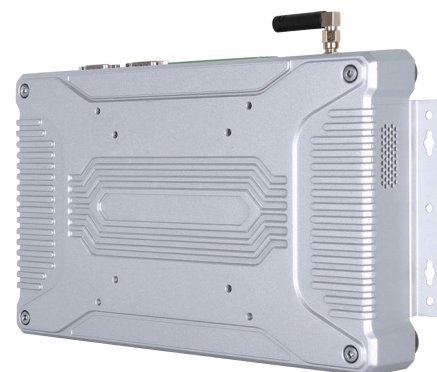


High-Performance Android Mini PC

Slimmer body, more powerful performance, designed for high-end automation field. All-aluminum alloy architecture, multiple industrial-grade protection, comfortable to deal with a variety of harsh environments. Equipped with quad-core 64-bit RK3568 high-performance processor, built-in NPU, with 1TOPS AI computing power, support for lightweight AI application development, and powerful open source attributes to support higher-level expansion and upgrade applications. Perfectly adapted to industrial control, military, communications, power, network and other intelligent automation applications, providing customers with mature customized solutions for various industries.

Features >>

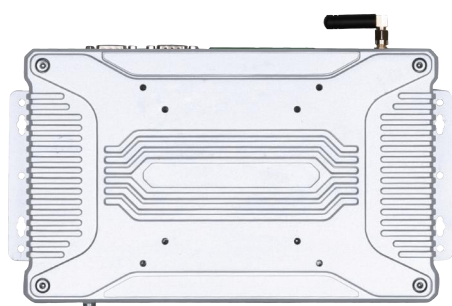
- High-precision full aluminum alloy body, exquisite texture
- Self-developed industrial-grade motherboard with ARM architecture, suitable for various complex application environments.
- RK3568 quad-core 64-bit 2.0GHz high-performance CPU, built-in NPU with 1TOPS AI power.
- Rich interfaces, flexible expansion, easy installation
- Powerful open source attributes, breakthrough application limitations,



ISO FC CE CCC RoHS 10

Product Model >>

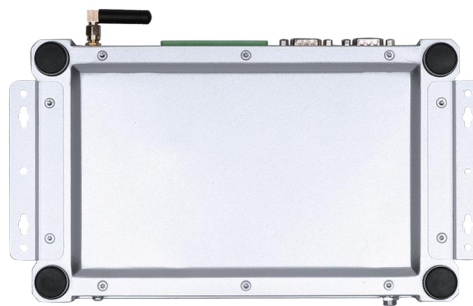
Product model	TPC02-AIOT
Processor	RK3568 Quad-core 64-bit Cortex-A55 Core Architecture up to 2.0GHz



Front



Side



Back

Product Installation >>

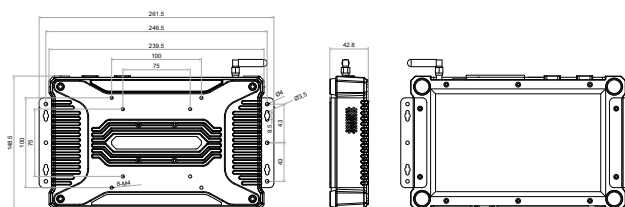


Desktop installation



Rack Mount

Product size >>



Product Specifications >>

Hardware Configuration

CPU	RK3568 Quad-core 64-bit Cortex-A55 Core Architecture up to 2.0GHz
GPU	ARM Mali-G52 2EE
NPU	1TOPS AI computing power
Memory	2GB LPDDR4 (optional 4GB/8GB)
Storage	32GB EMMC (optional 64GB/128GB)
SATA	1 SATA hard drive interface
Built-in ROM	4KB EEPROM
WiFi	2.4G
Bluetooth	BT5.0
Operating System	Android 12.0, Linux5.10, Ubuntu/Debian
Decoding Resolution	Supports up to 8K/60HZ
4G	4G module interface with built-in MINI PCIE
Network Support	4G, Ethernet, WiFi/Bluetooth support, wireless peripheral expansion

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

Interface parameters

DC Port	1*DC 55*21 with thread, can support 12V-36V wide voltage power supply
Industrial terminals	1*12P Phoenix terminal (power supply/232*1/485*1/CAN*1/GPIO*3)
USB	2*USB3.0, 2*USB2.0
UBOOT	1*UBOOT
HDMI	1* HDMI, support HDMI data output, maximum support 4K
Ethernet	1*10M/100M/1000M Adaptive Ethernet
Headphone holder	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 interfaces; the motherboard comes with 5*serial sockets (1*RS232,1*485, 1*TTL, 2*RS232/TLL switching sockets).

Product Installation >>

