Cutting-Edge Android Mini PC

Adopting all-aluminium alloy structure, fanless and fully enclosed design, low power consumption of the whole machine, compact shape, more convenient to use and install; equipped with a quad-core 64-bit RK3568 high-performance processor, built-in NPU, with 1TOPS AI arithmetic, support for the development of light AI applications, and powerful open-source attributes to support higher levels of expansion and upgrading of applications. Rich interface, support expansion, widely used in industrial control, military, communications, power, network and other automation fields.
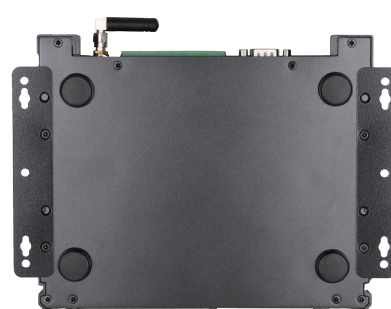
Product Features »

- Exquisite and compact appearance, easy to install
- Self-developed ARM architecture motherboard, a variety of solutions to choose from
- RK3568 quad-core 64-bit 2.0GHz high-performance CPU, built-in NPU with 1TOPS AI power.
- Highly integrated, WiFi / Bluetooth / Ethernet triple play
- Provide API reference code, support SDK secondary development.
- Rich interfaces to meet the needs of a variety of external devices

-10°C-60°C	DC 12V-36V	EMI/EMC	SDK	Rich interfaces	7*24H

Product Model »

Product Model	processing unit
TPC01-AIOT	RK3568 Quad-core 64-bit Cortex-A55 core architecture up to 2.0GHz

Installation »

Desktop mounting	Rack Mount

Product Parameter »

Hardware configuration

CPU	RK-3568 Quad-core 64-bit Cortex-A55 core architecture up to 2.0GHz		
GPU	ARM Mali-G52 2EE		
NPU	1TOPS AI arithmetic		
RAM	2GB LPDDR4 (optional 4GB/8GB)		
Storage	32GB EMMC (optional 64GB/128GB)		
SATA	1 SATA hard disc interface	Operating System	Android 12.0, Linux5.10, Ubuntu/Debian
ROM	4KB EEPROM	Decoding resolution	Supports up to 8K/60HZ
WiFi	Supporti	4G	4G module interface with built-in MINI PCIE
Bluetooth	Support	Network support	4G, Ethernet, wireless peripheral expansion, etc.

Reliability parameters

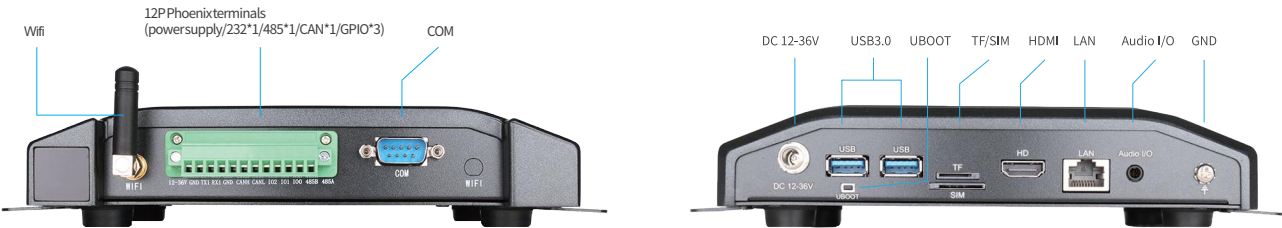|			
Working temperature	-10 °C ~60°C	Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Storage temperature	-20 °C ~70 °C	Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Relative humidity	Humidity: 95% Non-Condensing	Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters

Power input	DC 12V-36V	Sizes	199.5*213.1*58.3 (L*W*H)
Static power	15W	Weights	1.9KG
Chassis structure	Aluminium alloy for chassis face	Mounting method	Supports desktop and rack mounting
Body colour	Gun black	Warranty Policy	Three years (one year free warranty)

Interface parameter

USB	2*USB3.0	Network interface	1*LAN, 10M/100M/1000M adaptive Ethernet
UBOOT	1* UBOOT	Audio interface	1*Audio I/O, Support audio input and output
COM	1* COM (1* RS232 interface)	SIM	1*SIM, Supporting various formats
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K	TF	1*TF card standard interface
DC	1*DC55*21 with thread, can support 12-36V wide voltage power supply		
Industrial terminals	1*12P Phoenix terminal (power supply/232*1/485*1/CAN*1/GPIO*3)		

Interface Distribution »

Product Size »