

## Android industrial computer

Adopt all-aluminum alloy structure, fanless and all-closed design, low power consumption of the whole machine, exquisite appearance, and more convenient use and installation; In terms of the materials used for the whole machine, we pay more attention to its reliability, environmental adaptability, practicality, scalability, EMC compatibility and other performance. The interface is rich and supports expansion. It can meet the access of a variety of external devices and provide a variety of working efficiency. It is widely used in industrial control, military, communication, power, network and other automation fields.

### Features >>

- Delicate and compact appearance, convenient installation.
- Self-developed ARM architecture motherboard with multiple options.
- Fanless totally enclosed design, low power consumption of the whole machine.
- High integration, realizing WiFi/Bluetooth/Ethernet triple connection.
- Provide API reference code and support SDK secondary development.
- Abundant interfaces to meet the needs of various external equipment.



### Product Model >>

Product model	Processor
TPC01-202AI0T	RK3288, quad-core, 1.8GHz



### Product Installation >>



Desktop installation



Rack-mounted

# Product Specifications >>

Hardware Configuration	
CPU	RK3288, quad-core, 1.8GHz
GPU	Mali T764GPU, supporting 4K, H.264 hard decoding
Memory	2G DDR3 (Optional 4G/8G)
Storage	16G eMMC (Optional: 32G/64G)
System	Standard configuration:: Android 7.1 , Optional:Android 10.0/Linux4.4/Ubuntu18.04/Debian10.0/linux4.4+QT
3G/4G module	PCI-E standard interface, supporting China Mobile, China Unicom and China Telecom (optional)
WIFI	Built-in WIFI dual-band 2.4G/5G
Bluetooth	BT4.2
Decoding resolution	HDMI supports up to 4K 3840 * 2160
Network support	Ethernet, support WIFI/Bluetooth 4.2, wireless peripheral expansion
Power on	Support
Remote Wakeup	Support
Automatic reset	Support
Picture format	Support BMP、 JPEG、 PNG、 GIF

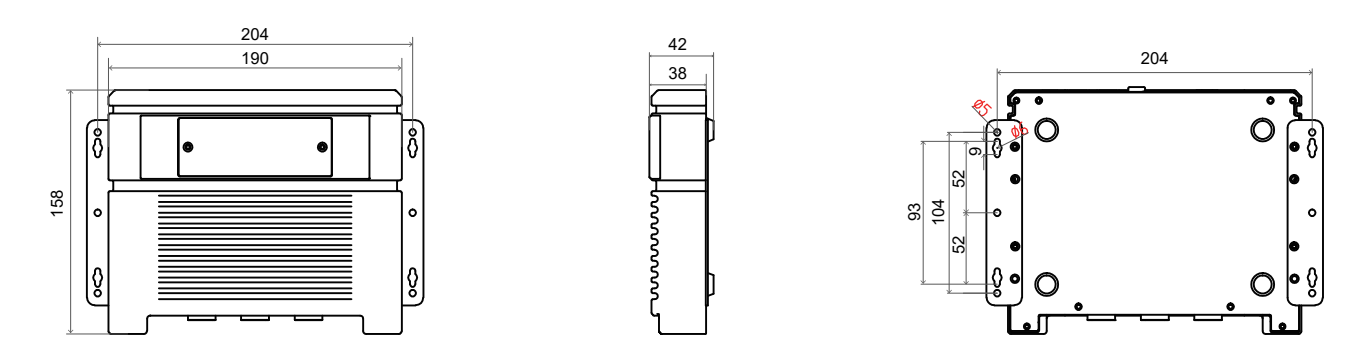
Reliability parameters			
Working temperature	-20 °C ~65°C	Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Storage temperature	-40 °C ~80 °C	Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Operating humidity	Humidity: 95% non condensing	Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters			
Power input	12V power input	Overall size	199.5 * 213.1 * 58.3 (length * width * height)
Static power	15W	Operating Weight	1.9KG
Body color	Gun black	Installation method	Support desktop and rack installation
Warranty policy	Three years (one year free warranty)		
Chassis structure	The aluminum alloy on the case surface has good seismic resistance and impact resistance		

# Interface Distribution >>



# Product size >>



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### Product Model >>

Product model	Processor
TPC01-302AI0T	RK3399, dual-core Cortex-A72 1.8GHz+quad-core Cortex-A53 1.4GHz



### Product Installation >>



Desktop installation



Rack-mounted

## Product Specifications >>

Hardware Configuration	
CPU	RK3399, 双核Cortex-A72 1.8GHz + 四核Cortex-A53 1.4GHz
GPU	Mali-T860MP4
Memory	4G DDR3 (Optional 8G)
Storage	32G eMMC (Optional: 64G)
System	Standard configuration:: Android 7.1 , Optional:Android 10.0/Linux4.4/Ubuntu18.04/Debian10.0/linux4.4+QT
3G/4G module	PCI-E standard interface, supporting China Mobile, China Unicom and China Telecom (optional)
WIFI	Built-in WIFI dual-band 2.4G/5G
Bluetooth	BT4.2
Decoding resolution	HDMI supports up to 4K 3840 * 2160
Network support	Ethernet, support WIFI/Bluetooth 5.0, wireless peripheral expansion
Power on	Support
Remote Wakeup	Support
Automatic reset	Support
Picture format	Support BMP、JPEG、PNG、GIF

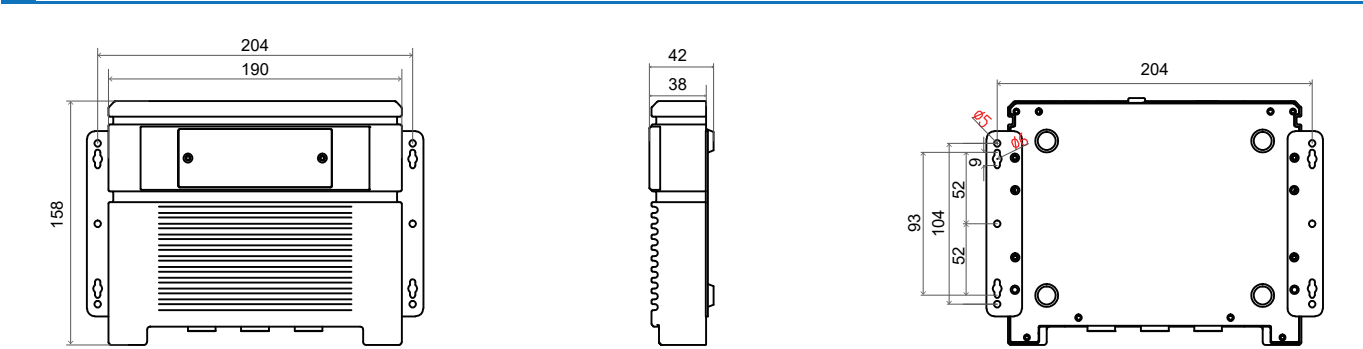
Reliability parameters			
Working temperature	-20 °C ~65°C	Vibration protection	IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Storage temperature	-40 °C ~80 °C	Impact protection	IEC 60068-2-27, half sine wave, duration 11ms
Operating humidity	Humidity: 95% non condensing	Product certification	CCC/CE/FCC/EMC/CB/ROHS

Other parameters			
Power input	12V power input	Overall size	199.5 * 213.1 * 58.3 (length * width * height)
Static power	15W	Operating Weight	1.9KG
Body color	Gun black	Installation method	Support desktop and rack installation
Warranty policy	Three years (one year free warranty)		
Chassis structure	The aluminum alloy on the case surface has good seismic resistance and impact resistance		

## Interface Distribution >>



## Product size >>



## 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



ISO FC CE CCC RoHS 10+

### Product Model >>

Product Model	processing unit
TPC01-302AI0T	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, Linux 5.10
ROM	4KB EEPROM	Decoding resolution	Supports up to 8K/60HZ
WiFi	Support	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

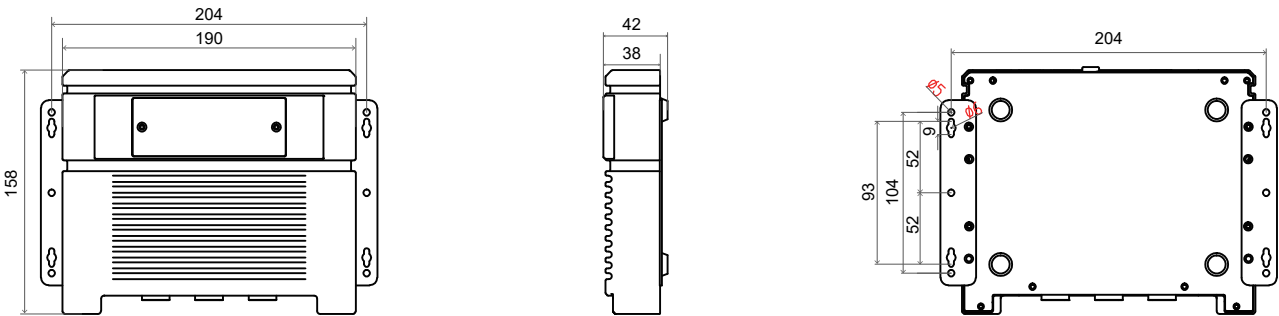
Other parameters			
Power input	DC 12V-36V	Sizes	199.5*213.1*58.3 (L*W*H)
Static power	15W	Weights	1.9KG
Chassis structure	Aluminium alloy for chassis face	Mounting method	Supports desktop and rack mounting
Body colour	Gun black	Warranty Policy	Three years (one year free warranty)

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 >>



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### Product Model >>

Product model	Processor
TPC01-100AI0T	A64 Cortex-A53 quad-core 64-bit CPU, main frequency 1.5GHz



### Product Installation >>



Desktop installation



Rack-mounted

# Product Specifications >>

Hardware Configuration	
CPU	A64 Cortex-A53 quad-core 64-bit CPU, main frequency 1.5GHz
GPU	Mali400MP2 GPU
Memory	2G DDR3 (Optional 4G/8G)
Storage	8G eMMC (Optional: 16G/32G/64G)
System	Android 6.0
3G/4G module	PCI-E standard interface, supporting China Mobile, China Unicom and China Telecom (optional)
WIFI	Built-in WIFI dual-band 2.4G/5G
Bluetooth	BT5.0
Decoding resolution	HDMI supports up to 4K 3840 * 2160
Network support	Ethernet, support WIFI/Bluetooth 5.0, wireless peripheral expansion
Power on	Support
Remote Wakeup	Support
Automatic reset	Support
Picture format	Support BMP、JPEG、PNG、GIF

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# Interface Distribution >>



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