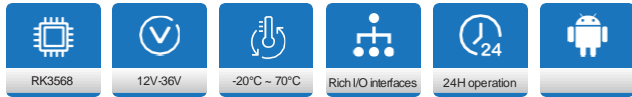


RK3568-Z-YPC ENDÜSTRİYEL BİLGİSAYAR

Z machine adopts an all-metal structure, fanless, fully enclosed design scheme, low power consumption, small form factor, and is designed for a variety of environments and industrial design products. Equipped with CX3568-A high-performance CPU, it adopts 4-core 64-bit Cortex-A55 core architecture, with a main frequency of up to 2.0GHz; it has a built-in independent NPU with 1TOPS of AI computational power, supporting lightweight AI application development. With a variety of high-definition display interfaces, it can meet a variety of application interfaces and provide a variety of work performance.

Features >>

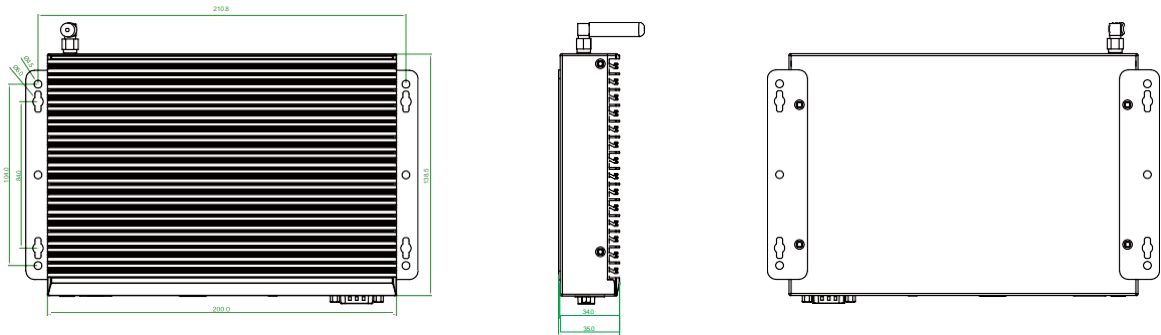
- High-precision all-aluminum alloy body with exquisite texture
- Self-developed ARM architecture industrial-grade motherboard, suitable for a variety of complex application environments
- RK3568 quad-core 64-bit 2.0GHz high-performance CPU, built-in NPU with 1TOPS AI power
- Rich I/O interfaces, flexible expansion, easy to install
- Powerful open source attributes, breakthrough application limitations, support for secondary development



Model >>

Model	TPC08-AIOT
Processor	RK3568 Quad-core 64-bit Cortex-A55 Core Architecture up to 2.0GHz

Dimension >>



Installation >>



Specification >>

Configuration

CPU	RK-3568 Quad-core 64-bit Cortex-A55 Core Architecture up to 2.0GHz
GPU	ARM Mali-G52 MP2
NPU	1TOPS AI arithmetic power
Memory (RAM)	2GB LPDDR4 (Optional 4GB/8GB, supports up to 8GB)
Storage	32GB eMMC (Optional 64GB/128GB/256GB, supports up to 256GB)
Wi-Fi	Wi-Fi 6, Dual Band 2.4GHz+5GHz
Bluetooth	BT5.3
Operating System	Android12/14/Linux5.10/Ubuntu20.04/Ubuntu22.04/Debian11
Decoding resolution	Supports up to 4K/60Hz
3G/4G	PCI-E standard interface, support for mobile, Unicom, Telecom (optional)
Network support	4G, Ethernet, Wi-Fi/Bluetooth support, wireless peripheral expansion

Other Parameter

Power Supply	DC IN 12-36V
Power adapter	12V/2.5A (3.81-2P Phoenix terminal)
Material	Aluminum alloy
Color	Silver + Dark Blue
Bare Weight	1.0KG
Overall weight	1.37KG
Operating Temperature	-20°C~70°C
Storage Temperature	-30°C~80°C
Relative humidity	95% non-Condensing
Installation	Desktop, wall-mounted, rack-mounted
Warranty	Three years (standard one year free warranty, other policies are negotiable)

Interface Parameter

PowerSW	1* PowerSW
Power interface	3.81-2P Phoenix terminal, Support 12-36V wide voltage power supply (Optional upgrade DC 2.0*1)
Phoenix terminal	Standard 3.5-12P Phoenix terminal (232*1/485*1/CAN*1/NC*4) 232/485 support interchangeable, NC*4 support upgraded customized interfaces
USB	2*USB3.0 (1PCS supports OTG), 2*USB2.0 (Optional upgrade Gigabit RJ45), Optional upgrade 6-channel USB2.0
UBOOT	1*UBOOT
HDMI	1*HDMI output, Supporting up to 1080P
Ethernet	1*RJ45 Gigabit Ethernet port (Optional RJ45 Gigabit*2)
Audio	1*Audio I/O, Support audio input and output, Headphone: 3.5mm standard interface
SIM	1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module)
TF	1*TF (Support TF card upgrade)
GPS	External GPS (optional)
Serial port	Standard 1*DB9 232 serial port (232/TTL interchangeable) optional upgrade 3*232
Other	Optional upgrade 3*RS485, 2*TTL, optional 1*CAN, optional support 12 channels GPIO, 1 channel AD

I/O Interface >>

