



Station M2

| AI mini PC

T-CHIP INTELLIGENCE TECHNOLOGY

V1.0



Product features



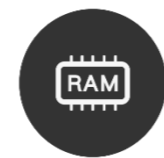
RK3566 quad-core 64-bit processor

RK3566 quad-core 64-bit Cortex-A55 processor with frequency of up to 1.8GHz – delivering a leap in performance. With the 22nm lithography process, it features low power consumption and high performance.



4K H.265 video decoding

The all-new video processing engine VPU supports 4K@60fps H.265/H.264/VP9 video decoding and 1080P@100fps H.265 video encoding. Everything looks incredible and brings you an immersive HD visual experience. HDR10 delivers vibrant, true-to-life colors.



Super-large 8GB RAM

Up to 8GB of RAM can be configured, making data safer and more reliable and meeting the requirements of running large-memory products.

Product features



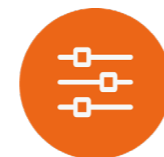
Support customized operating systems

Support Android, Ubuntu, Buildroot+QT, and Station OS. All of them ensure a safe and stable system environment for product research and production. Additionally, we offer in-depth customization services to meet your specific needs.



Aluminum enclosure, excellent heat dissipation

The sawtooth aluminium alloy enclosure in matte black under CNC machining and anodizing. Good air flow design enables excellent heat dissipation, even without fans. The combination of fashion and technology is all in an incredibly compact enclosure.



A variety of interfaces

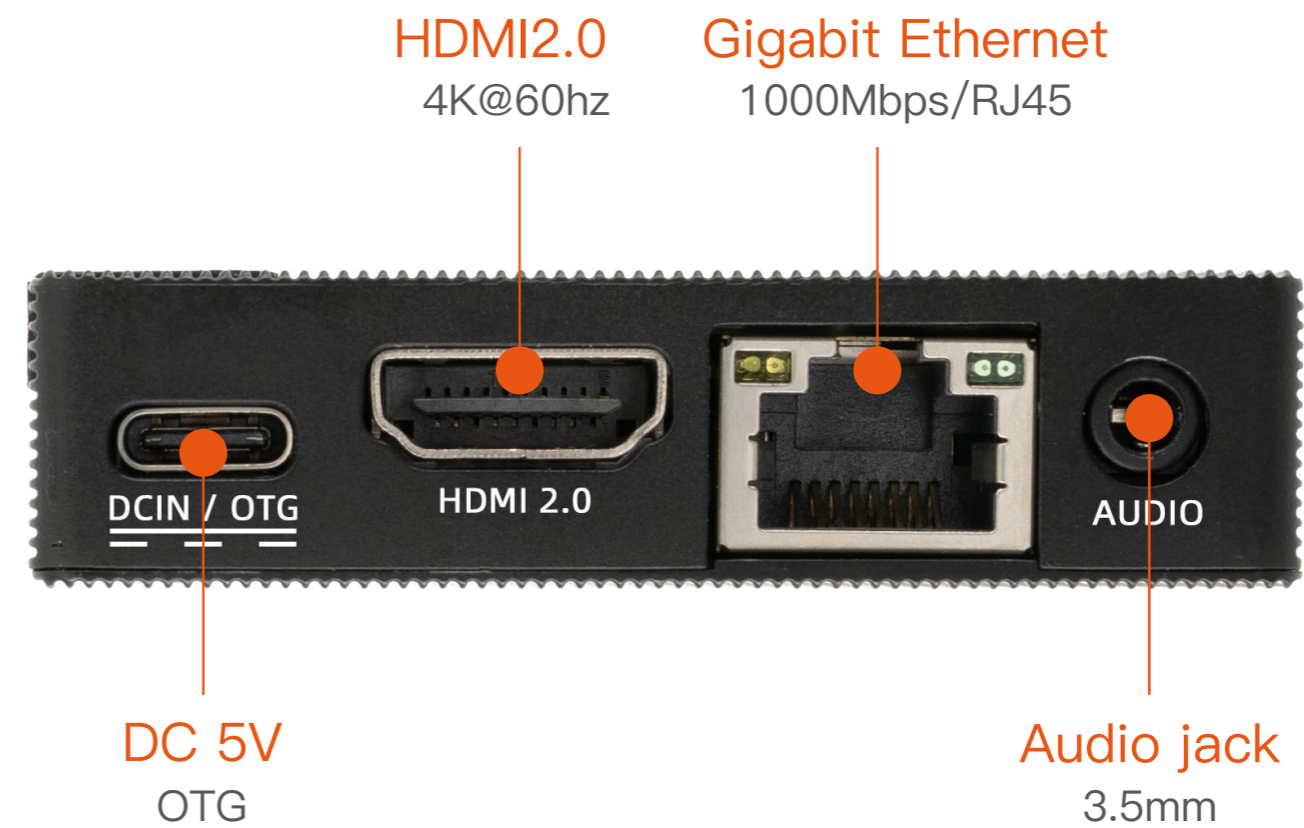
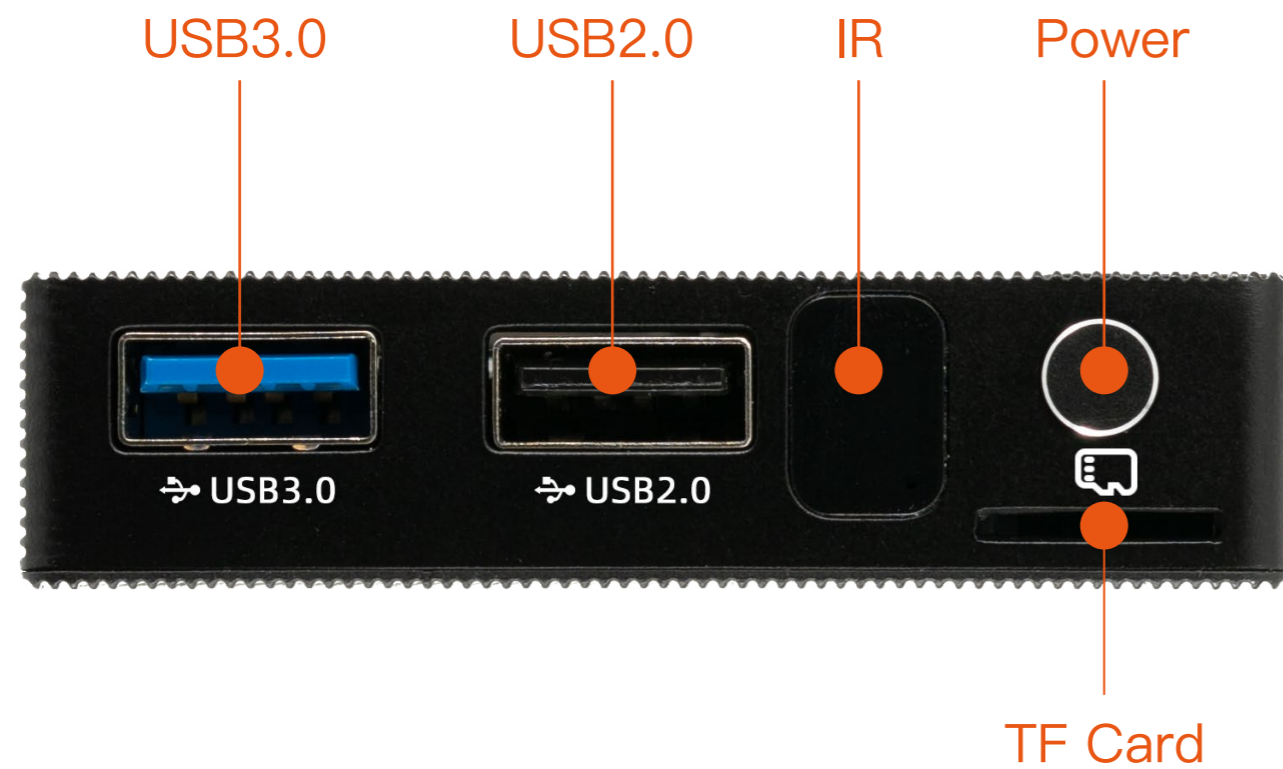
With HDMI2.0, Gigabit Ethernet, USB3.0, USB2.0, and 3.5mm audio jack, Station M2 can be directly applied to external device control and expansion.

Specifications

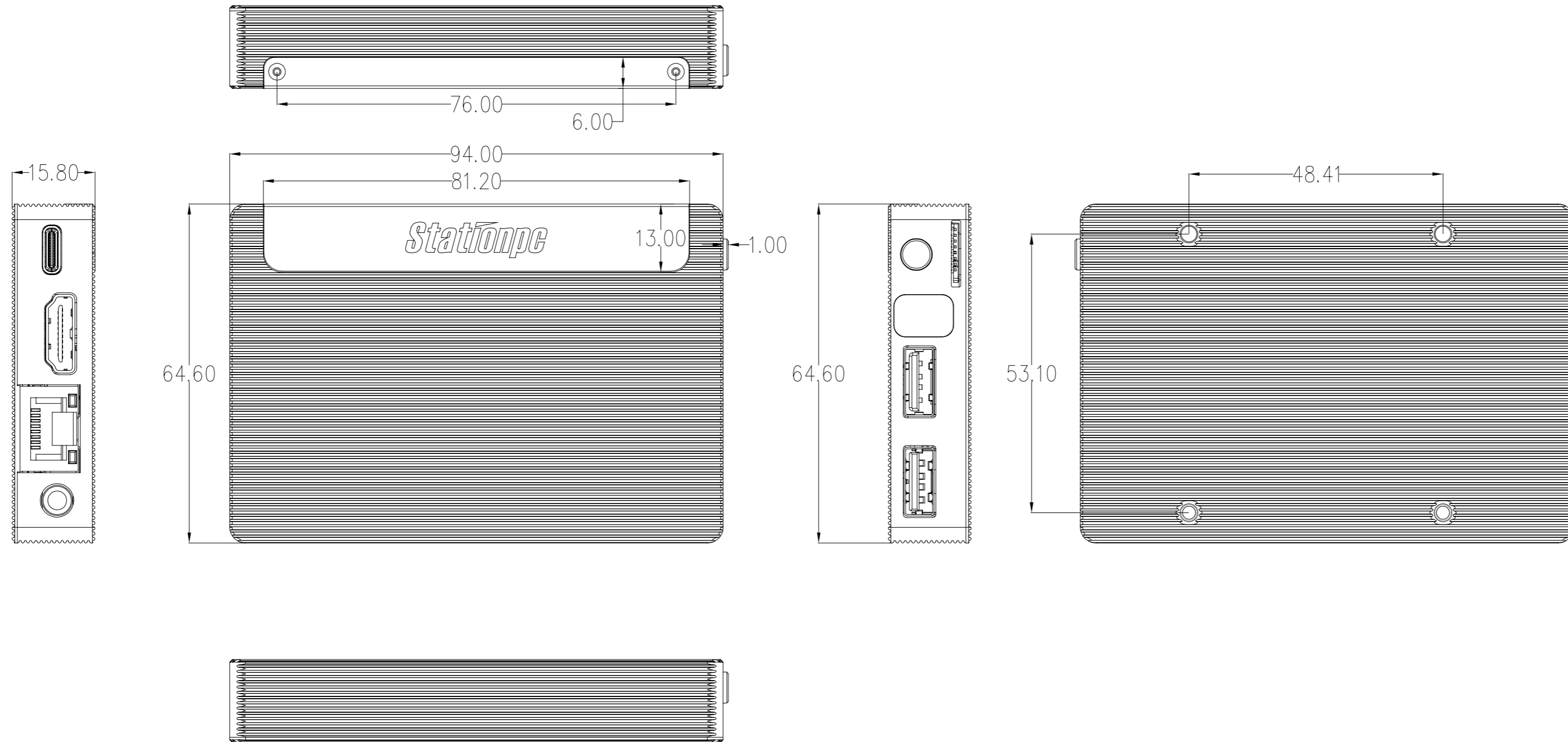


Specifications		
Basic Specifications	SOC	RK3566
	CPU	Quad-core 64-bit Cortex-A55, 22nm lithography process, frequency up to 1.8GHz
	GPU	ARM G52 2EE, supports OpenGL ES 1.1/2.0/3.2. OpenCL 2.0. Vulkan 1.1, embedded high-performance 2D acceleration hardware
	NPU	1TOPS@INT8, integrated high-performance AI accelerator RKNN NPU, supports one-click switching of Caffe /TensorFlow /TFLite /ONNX /PyTorch
	VPU	Video decoding: 4K@60fps H.265/H.264/VP9, 1080P@60fps VC-1, VP8, MPEG-1/2/4 Video encoding: 1080P@100fps H.265, 1080P@60fps H.264
	ISP	Supports 8M ISP
	RAM	2GB/4GB/8GB LPDDR4
	Storage	32GB/64GB/128GB eMMC
	Storage Expansion	1 × M.2 PCIe2.0 NVMe SSD (2242) , 1 × TF Card
	Power	DC 5V/2A (Powered by Type-C, voltage tolerance ± 5%)
	OS	Android, Ubuntu, Buildroot + QT, Station OS
	Dimension	94.0mm × 64.6mm × 15.8mm
	Environment	Operating Temperature: -20°C ~ 60°C, Storage Temperature: -20°C ~ 70°C, Operating Humidity: 10% ~ 90%RH (non-condensing)
Interface Specifications	Ethernet	1 × Gigabit Ethernet (1000Mbps/RJ45)
	Wireless	2.4GHz/5GHz dual band WiFi (802.11a/b/g/n/ac), Bluetooth 5.0
	Video Output	1 × HDMI2.0 (4K@60fps)
	Audio output	1 × HDMI Audio output, 1 × 3.5mm Audio jack (Support MIC recording, American Standard CTIA)
	USB	1 × USB3.0, 1 × USB 2.0, 1 × Type-C (OTG/DC 5V/2A)

Interface description



Dimension





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