



# Station M3

**| Mini AI PC**

T-CHIP INTELLIGENCE TECHNOLOGY

V1.0

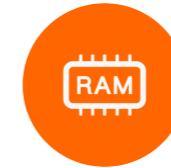


# Product features



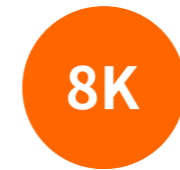
## 8-Core 64bit processor

8-Core 64bit processor RK3588S  
8nm lithography process  
up to 2.4GHz



## Super-large 16GB RAM

Up to 16GB RAM  
Support LPDDR4/LPDDR4x/LPDDR5



## 8K H.265 / 6TOPS NPU

OpenGL ES3.2/2.0, Vulkan1.1  
8K@60fps H.265/VP9 Decoding  
8K@30fps H.265/H.264 Encoding  
6TOPS NPU computing power



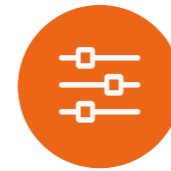
## Support M.2 2242 SSD

Supports M.2 2242 SSD hard drive expansion (default SATA3.0, can be converted to NVMe via settings)



## Operating systems

Support Station OS, Android 12.0, Ubuntu, Buildroot+QT, RTLinux kernel  
Support Linux system customization



## A variety of interfaces

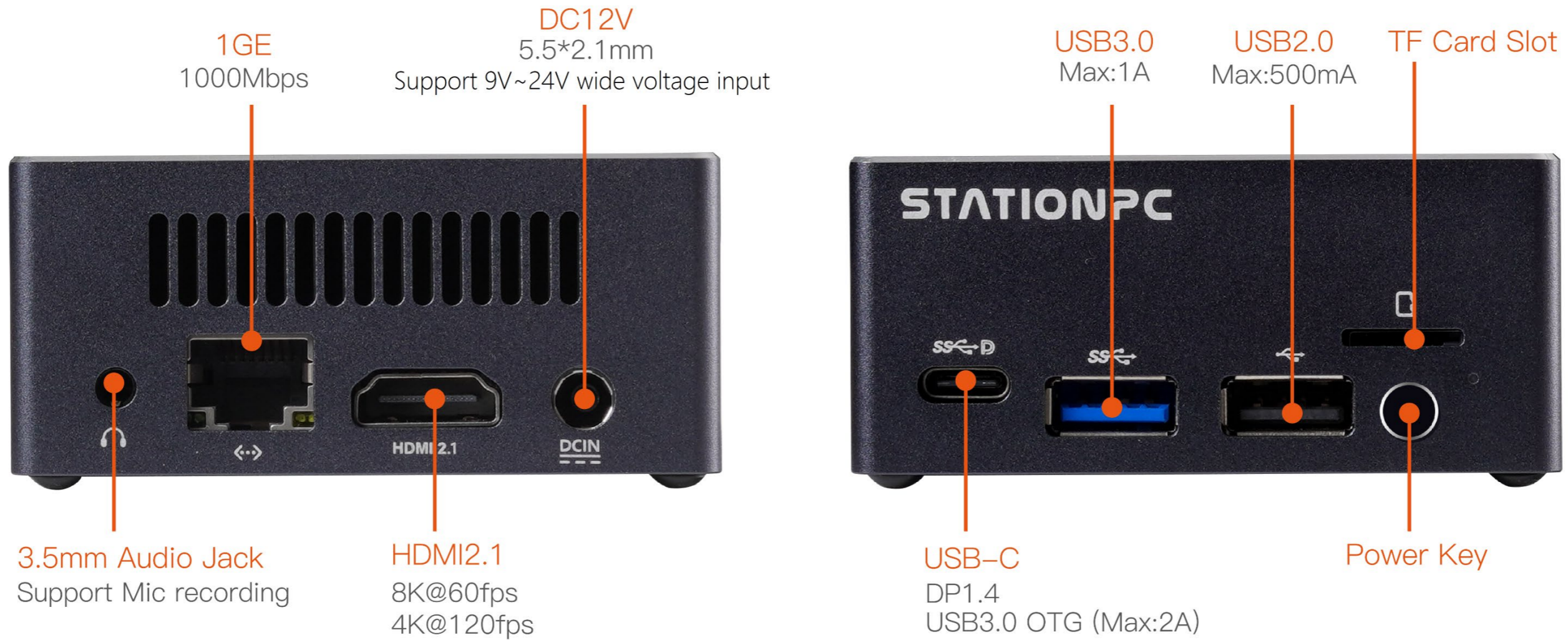
2\*HDMI 2.1(8K@60fps), DP1.4(8K@30fps), 1\*Gigabit Ethernet, 1\*USB3.1, 1\*USB2.0

# Specification

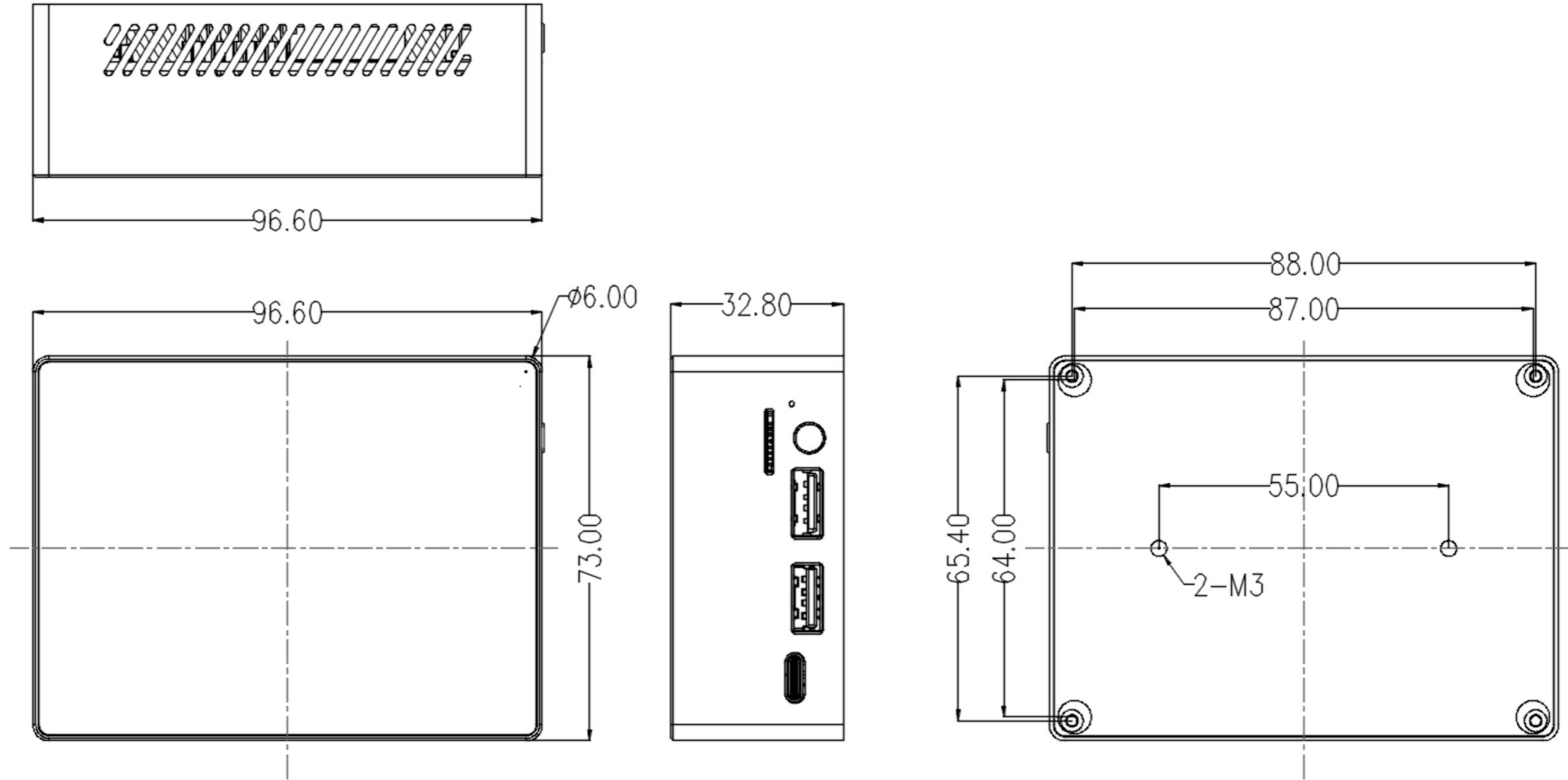


Specification	
SOC	RK3588S
CPU	Octa-core 64-bit CPU, clock speed up to 2.4GHz, Mali-G610 MP4 GPU NPU computing power up to 6 TOPS
Video Decoding	8K@60fps H.265/VP9/AVS2, 8K@30fps H.264 AVC/MVC, 4K@60fps AV1, 1080P@60fps MPEG-2/-1/VC-1/VP8
RAM	4GB/8GB/16GB LPDDR4
Storage	32GB/64GB/128GB eMMC
Storage Expansion	M.2 SATA3.0 (2242) *1, Support SATA3.0 SSD (default), Compatible with PCIe2.0 NVMe SSD TF card slot *1
Wireless	2.4GHz / 5GHz dual-band WiFi, 802.11 a/b/g/n/ac protocol, Bluetooth4.2
Ethernet	1000Mbps Ethernet (RJ45) ×1
Video Output	HDMI2.1 (8K@60fps or 4K@120fps) *1, DP1.4 (USB-C multi-function port, 8K@30fps) *1
Audio	3.5mm audio jack *1
USB	USB3.0 (current limit: 1A) *1, USB2.0 (current limit: 500mA) *1, USB-C multi-function port (USB3.0 OTG/DP1.4, current limit: 2A) *1
Power	DC12V input (5.5×2.1mm, recommend 12V/1.5A or above, support 9V~24V wide voltage input)
OS	Station OS (default), Support Android, Ubuntu and more
Dimension	96.6mm*73mm*32.8mm
Button	Power button ×1, Recovery button (at the bottom of the 3.5mm audio jack) ×1
Power Consumption	Idle: ≈0.42W (12V/35mA), Typical: ≈3W (12V/250mA), Max: ≈14.4W (12V/1200mA)
Environment	Operating Temperature: -20°C- 60°C, Storage Temperature: -20°C- 70°C, Operating humidity: 10% ~ 90%RH (non-condensing)

# Interface description




# Dimension








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 Contact Us  
(+86)18688117175

 E-mail  
global@t-firefly.com

 Website  
<https://en.t-firefly.com/>

 Address  
Room 2101, Hongyu Building, #57 Zhongshan 4Rd, East District,  
Zhongshan, Guangdong, China.