



# Station P2S

| Mini PC

T-CHIP INTELLIGENCE TECHNOLOGY

V1.0

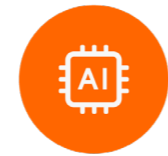


# Product features



## Quad-core 64-bit processor

Quad-core 64bit Cortex-A55 processor, 22nm lithography process, up to 2.0GHz



## GPU/VPU/1TOPS NPU

OpenGL ES3.2/2.0, Vulkan1.1  
4K@60fps H.265/VP9 video decoding  
1080P@100fps H.265 video encoding  
1TOPS NPU



## Operating systems

Android, Ubuntu, Linux+QT, Station OS, and supports to boot the system via a TF card, U disk EMMC, etc.



## 8GB LPDDR4 large RAM

Up to 8GB RAM,  
frequency up to 1600MHz



## Dual Gigabit Ethernet

Dual 1000Mbps (RJ45)  
2.4G/5G Dual-band WiFi, BT5.0  
4G LTE module can be expanded



## A variety of interfaces

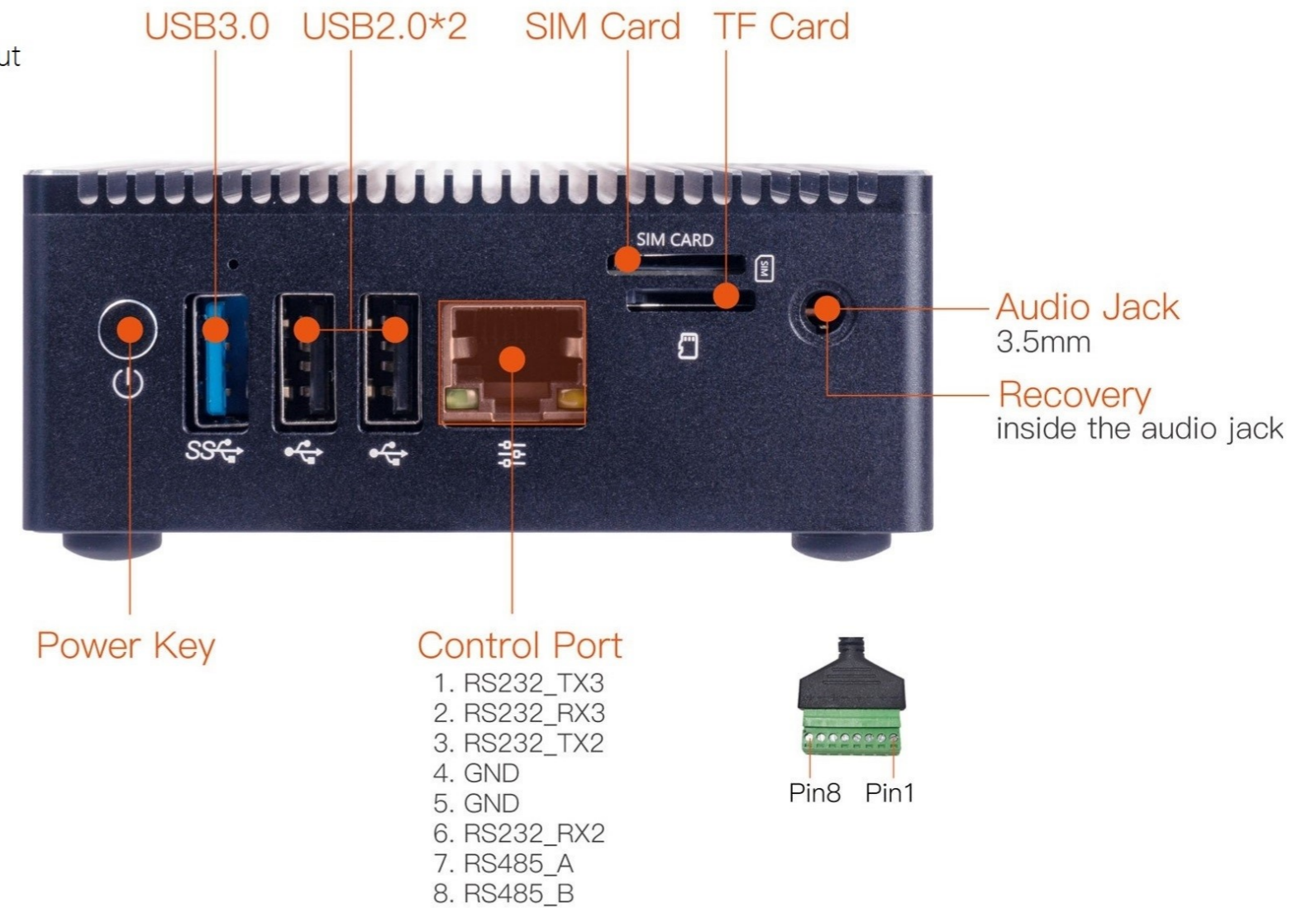
Control Port (RS232\*2, RS485\*1), HDMI2.0, GE (RJ45), USB3.0, USB2.0, USB-C (OTG)

# Specifications

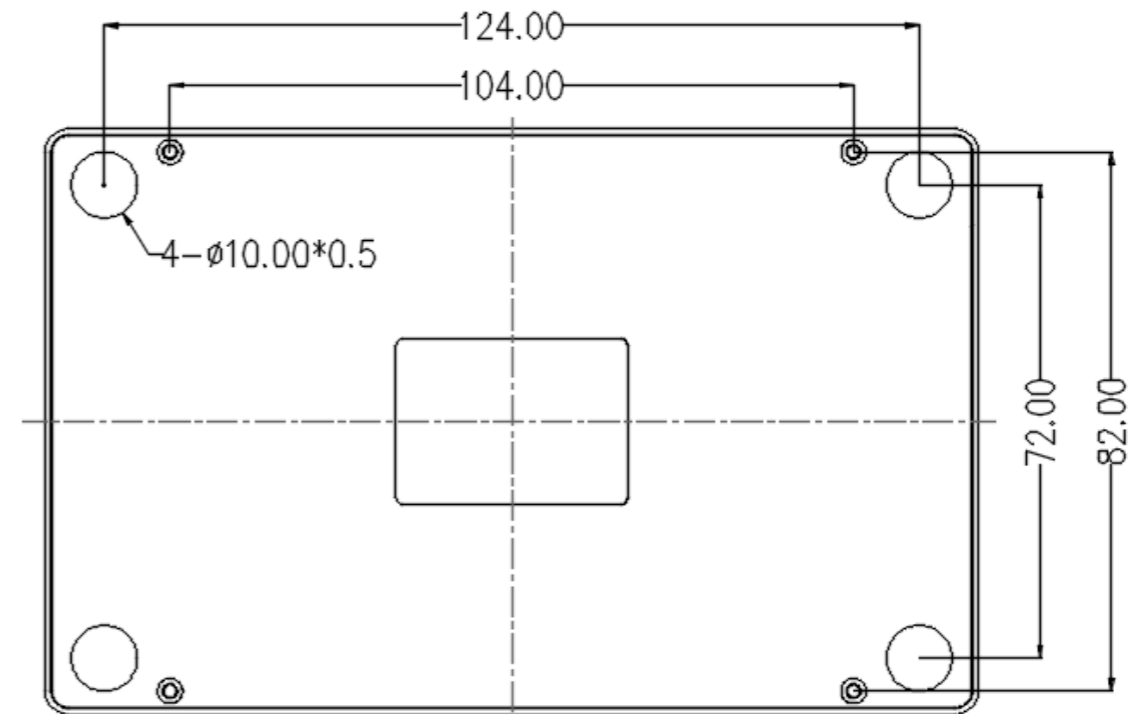
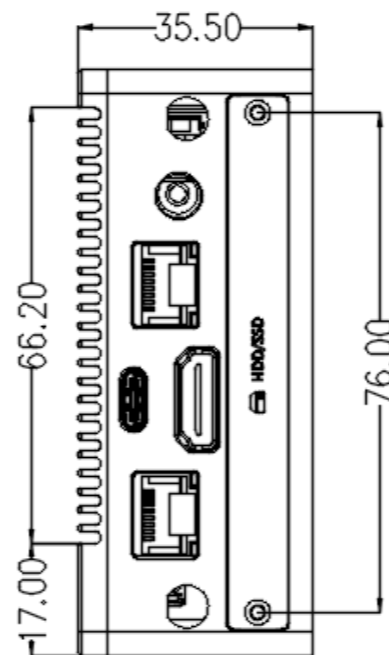
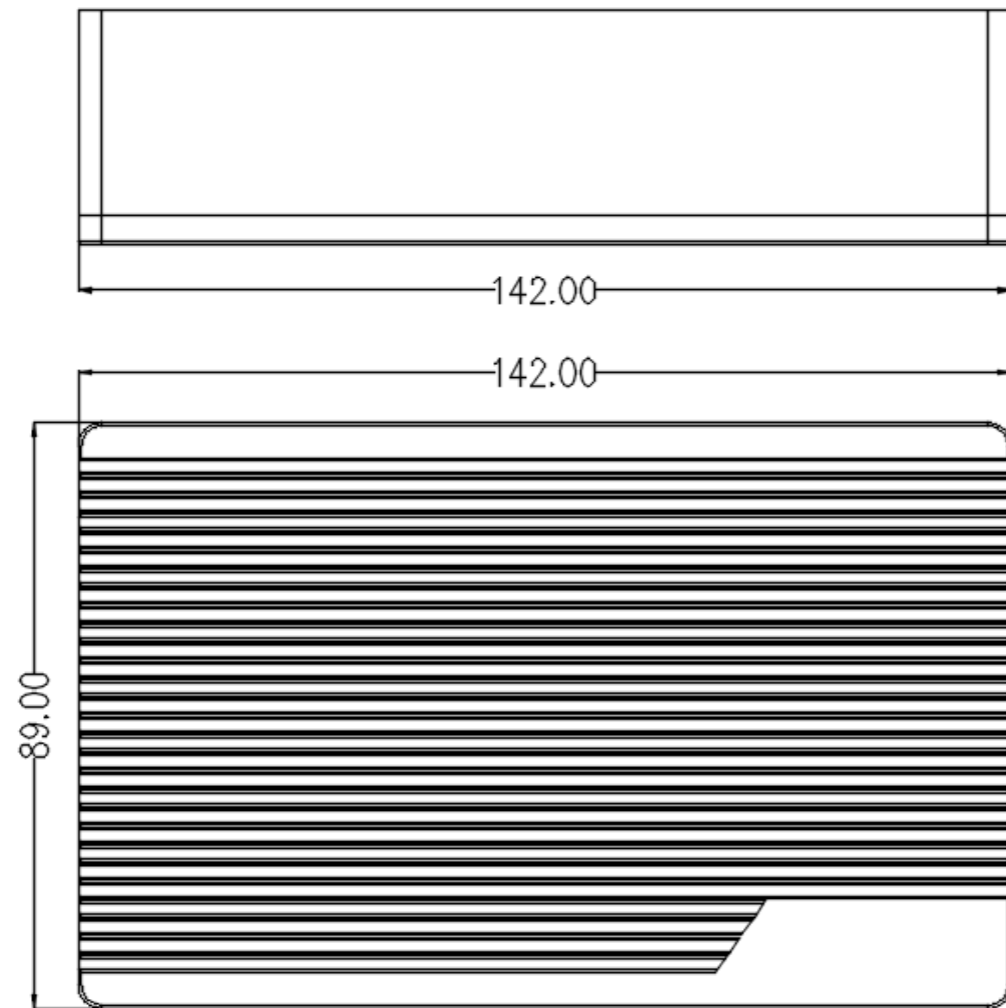


Specifications	
SOC	RK3568
CPU	Quad-core 64-bit Cortex-A55 processor, 22nm lithography process, frequency up to 2.0GHz
GPU	ARM G52 2EE, support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0 and Vulkan 1.1. Built-in high-performance 2D acceleration hardware
NPU	1Tops@INT8 RKNN NPU AI accelerator, support one-click switching of Caffe/TensorFlow/TFLite/ONNX/PyTorch/Keras/Darknet
VPU	4K@60fps H.265/H.264/VP9 video decoding, 1080P@60fps H.265/H.264 video encoding
RAM	2GB/4GB/8GB LPDDR4
Storage	16GB/32GB/64GB/128GB eMMC, 16MB SPI Flash
Storage Expansion	1*SATA 3.0 (2.5inch, 7mm thickness SSD/HDD), 1*TF Card Slot
Ethernet	2*1000Mbps (RJ45)
Wireless	2.4G/5GHz Dual-band WiFi, 802.11 a/b/g/n/ac, Bluetooth 5.0, 4G LTE network communication can be expanded.
Video output	1*HDMI2.0 (4K@60Hz)
Camera	1*MIPI-CSI, Support HDR function
Audio	1*HDMI audio output, 1*Phone headphone jack (3.5mm)
USB	1*USB3.0 (Max:1A), 2*USB2.0 (Max:500mA), 1*USB-C (USB2.0 OTG)
Extended Interface	1*RJ45 Control Port (1*RS485 + 2*RS232), 1*PH2.0-30P (PWM, GPIO, I2S, I2C, UART, SPDIF), 1*PH2.0-6P (POE)
Power	DC 12V (5.5*2.1mm, support 9V~24V wide voltage input)
OS	Android 11.0, Ubuntu 18.04, Buildroot +QT, Station OS
Dimension	142mm * 89mm * 35.5mm
Power Consumption	Idle: 0.3W(12V/25mA), Typical: 4.2W(12V/350mA), Max: 7.8W(12V/650mA)
Environment	Operating Temperature: -20°C- 60°C, Storage Temperature: -20°C- 70°C, Storage humidity: 10% ~ 90%RH (non-condensing)

# Interface description




# Dimension








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