



# Station P2

| 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



## 8GB LPDDR4 large RAM

Up to 8GB RAM  
Blazing fast LPDDR4 + EMMC Fast and Furious



## GPU/VPU/1TOPS NPU

4K@60fps H.265/VP9 video decoding  
1080P@100fps H.265 video encoding  
1TOPS NPU



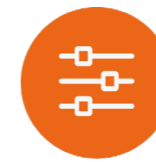
## Dual Gigabit Ethernet

Dual 1000Mbps(RJ45)  
2.4G/5G Dual-band WiFi6 , Bluetooth 5.0



## Operating systems

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



## A variety of interfaces

Control Port (RS232 x2, RS485x1), HDMI 2.0, GE (RJ45), USB3.0, USB2.0, USB-C (OTG)

# Specifications

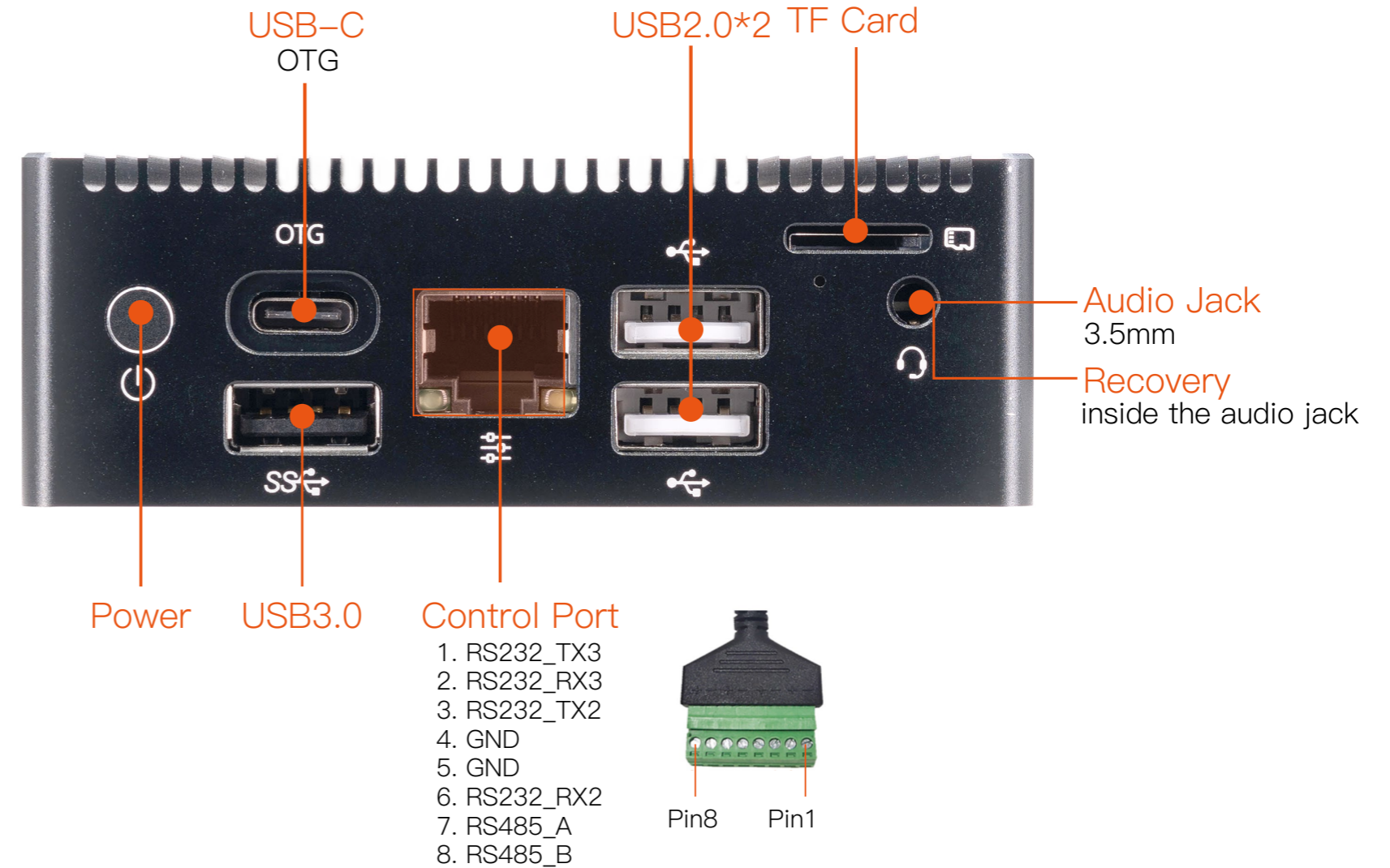
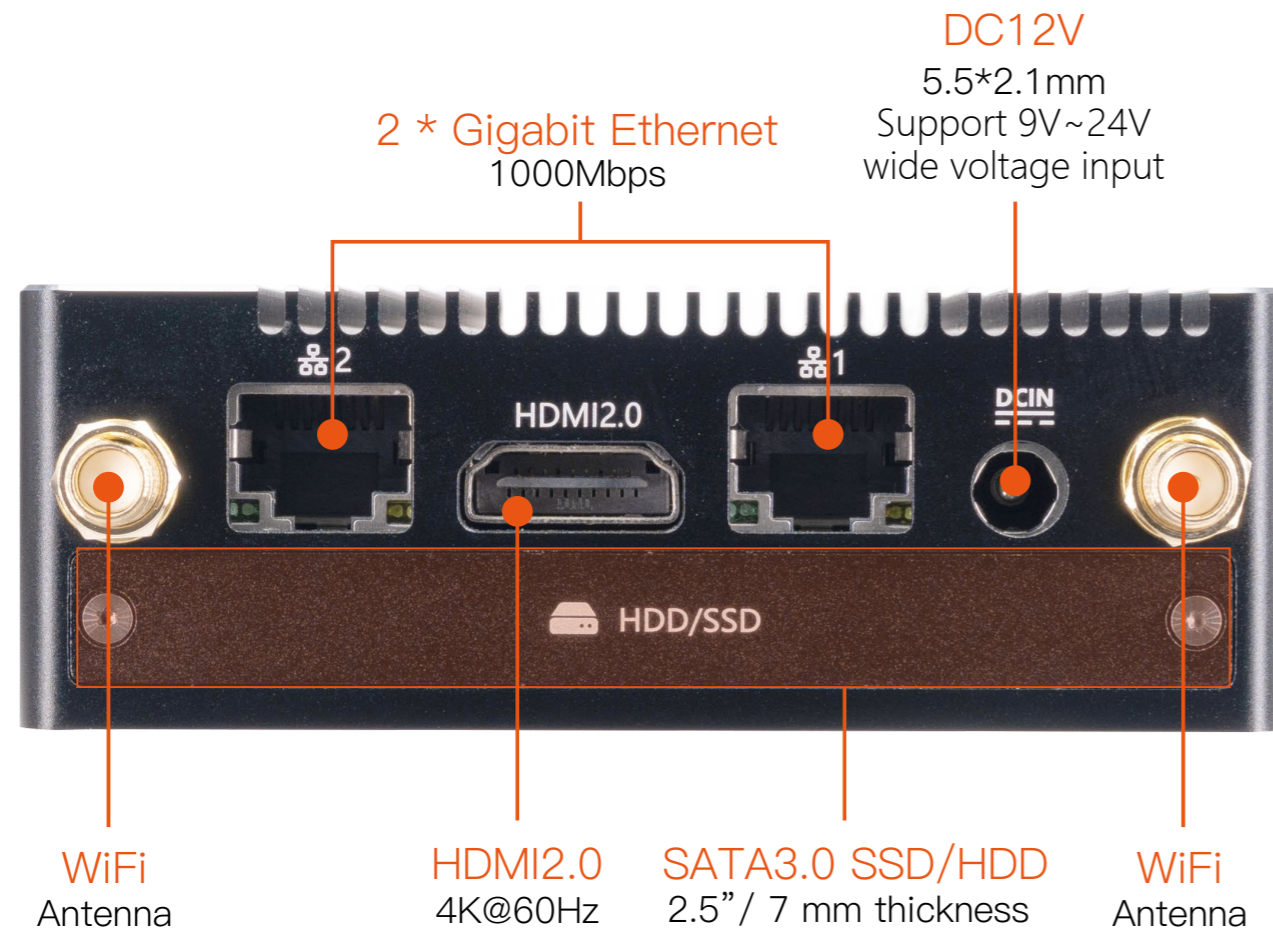


Specifications	
SOC	RK3568
CPU	Quad-core 64-bit Cortex-A55 processor, 22nm lithography process, frequency up to 2.0GHz
GPU	ARM G52 2EE, Support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0 and Vulkan 1.1, Built-in high-performance 2D acceleration hardware
NPU	1Tops@INT8 RKNN NPU AI accelerator, Support one-click 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
Storage Expansion	M.2 NVMe SSD (M.2 PCIe 3.0, 2242/2280 NVMe SSD), 2.5" HDD/SSD(SATA3.0 /7mm thickness), 1 * TF-Card
Ethernet	2 * 1000Mbps (RJ45)
Wireless	2.4G/5GHz Dual-band WiFi6, 802.11 a/b/g/n/ac/ax, Bluetooth 5.0
Video output	1 * HDMI2.0 (4K@60Hz)
Camera	1 * MIPI-CSI, support HDR function
Audio	1 * HDMI audio output, 1 * Audio 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)
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 * 32.5mm
Appearance	All aluminium alloy, matte black
Environment	Operating Temperature: -20°C- 60°C, Storage Temperature: -20°C- 70°C, Operating humidity: 10% ~ 90%RH (non-condensing)

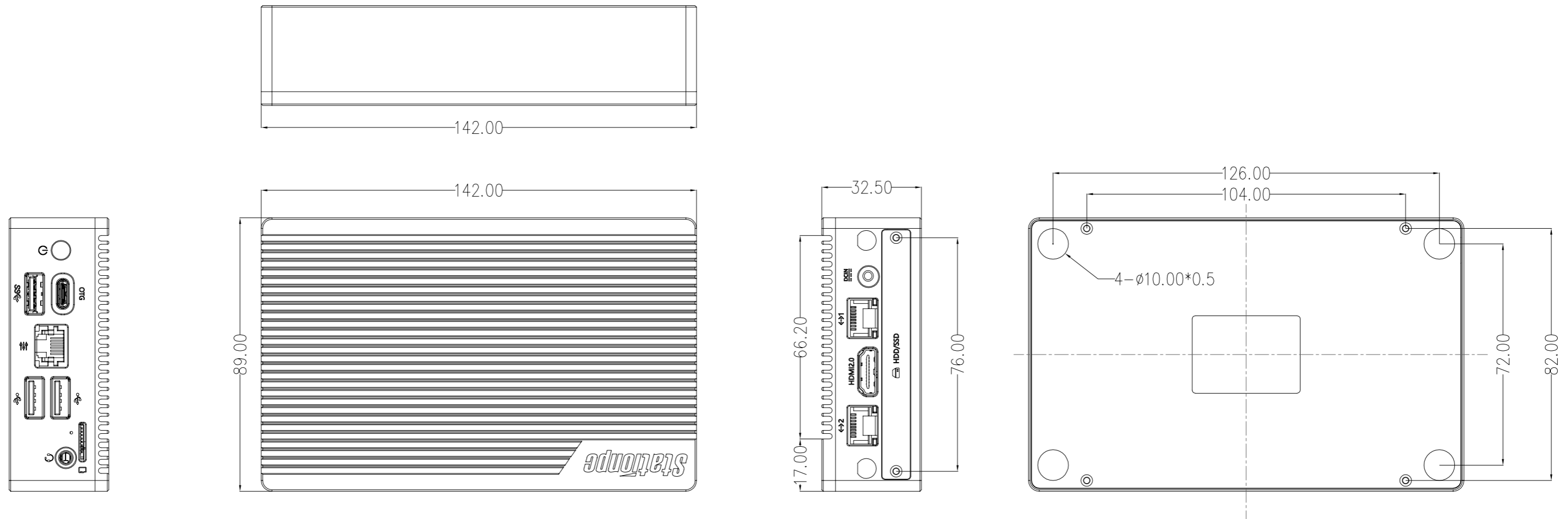




# Interface description



# Dimension





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