STATIONPC

Product: Geek PC

Model: Station P2S

FCC ID : 2AKCT-SPCP2S

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 large RAM

Up to 8GB RAM,
frequency up to 1600MHz

GPU/VPU/NPU

OpenGL ES3.2/2.0，Vulkan1.1
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 WiFi、BT5.0
4G LTE module can be expanded.

Operating systems

Station OS、Android、Ubuntu

A variety of interfaces

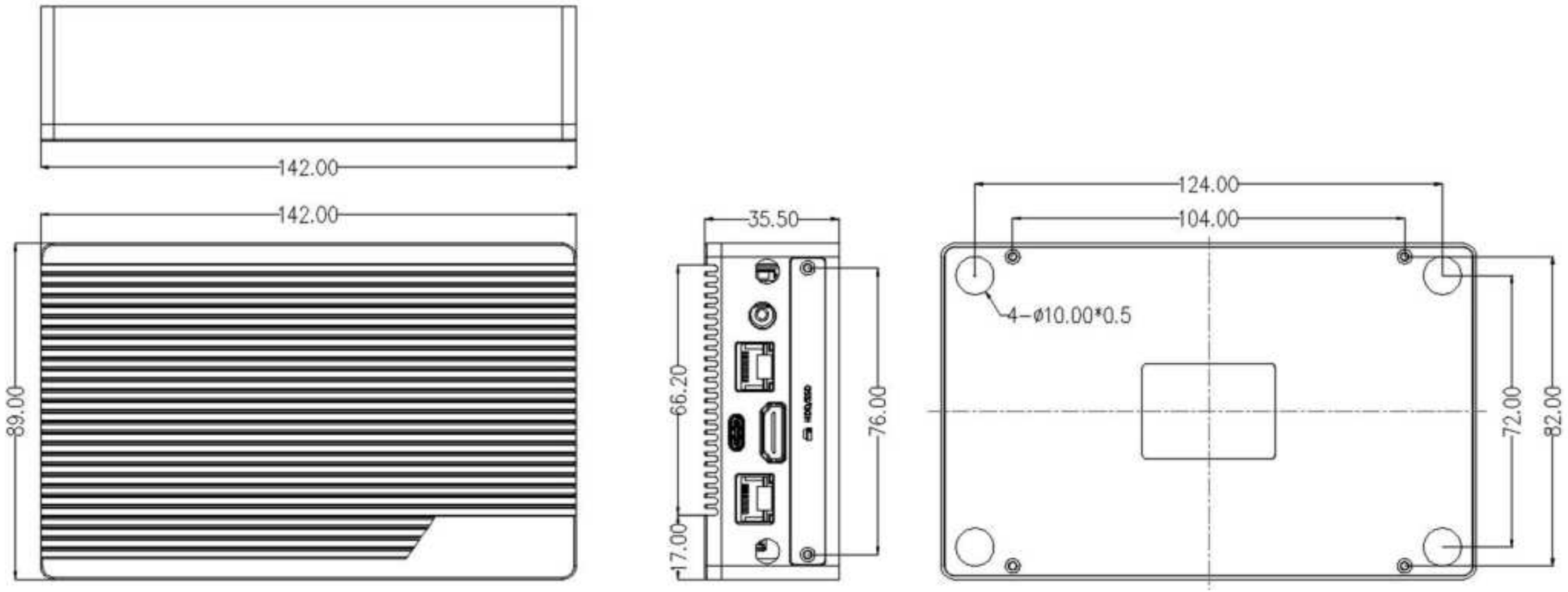
Control Port (RS232 x2, RS485x1)
HDMI2.0, GE (RJ45), USB3.0, USB2.0
USB-C (OTG)

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, voltage tolerance±5%)
OS	Android 11.0 、Ubuntu 18.04、Buildroot +QT、Station OS
Dimension	142mm * 89mm * 35.5mm
Power Consumption	Idle: 0.3W, Typical: 4.2W，Max: 7.8W
Environment	Operating temperature: -20℃-40℃ , the product uses the adapter equipped with the machine for power supply. Operating temperature: -20℃-60℃, the product should use the adapter(a maximum ambient temperature is 60℃) for power supply. Storage Temperature: -20℃- 70℃, Storage Humidity: 10% ~ 80 %

Interface description

Dimension


142.00
142.00
89.00
35.50
66.20
17.00
76.00
124.00
104.00
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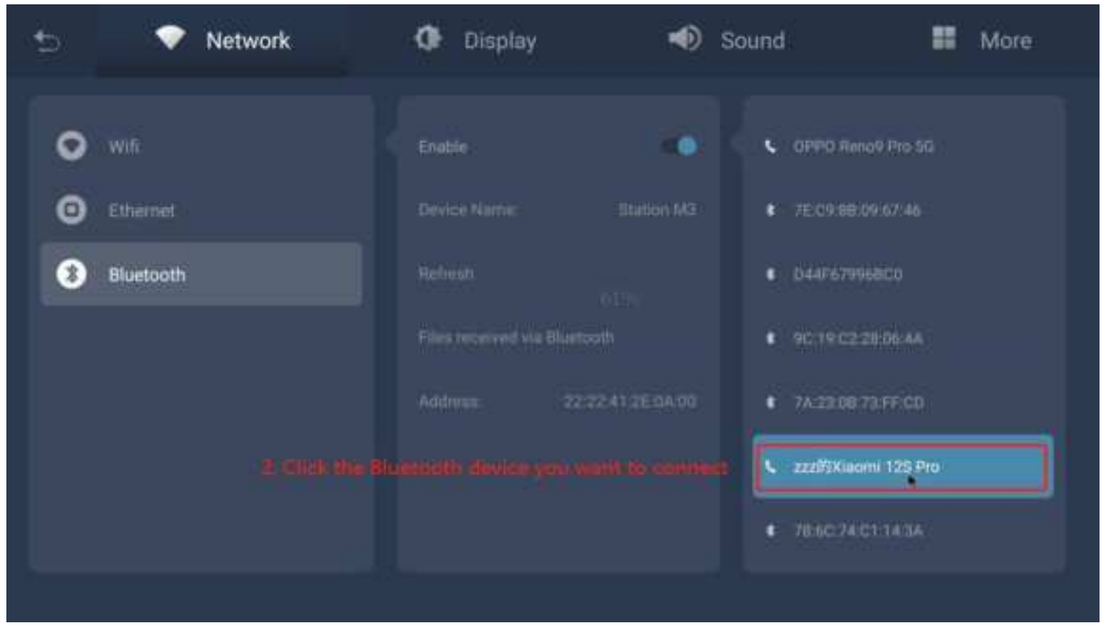
72.00
82.00

Connect Bluetooth

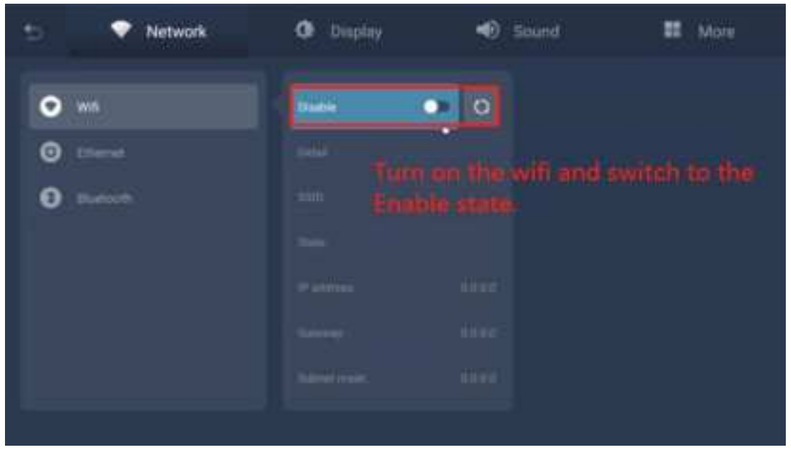
1. Click the Bluetooth icon



2. Click the Bluetooth device you want to connect

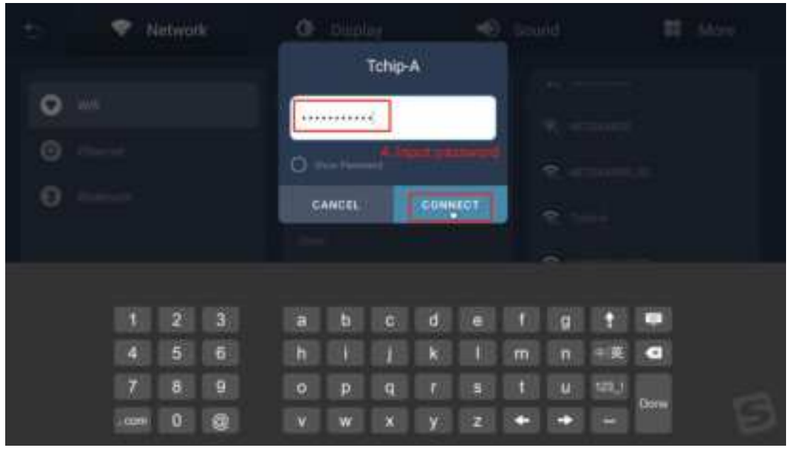
Connect WiFi

1. Click the WiFi icon

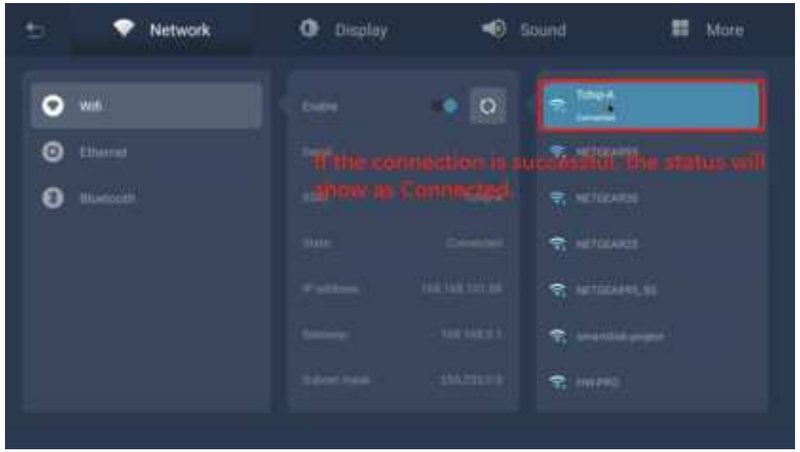


2. Turn on wifi switch

3. Click the WiFi you want to connect



4. Enter Password



5. If the connection is successful, the status will show as Connected.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different

from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help. To maintain compliance with FCC’ s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.