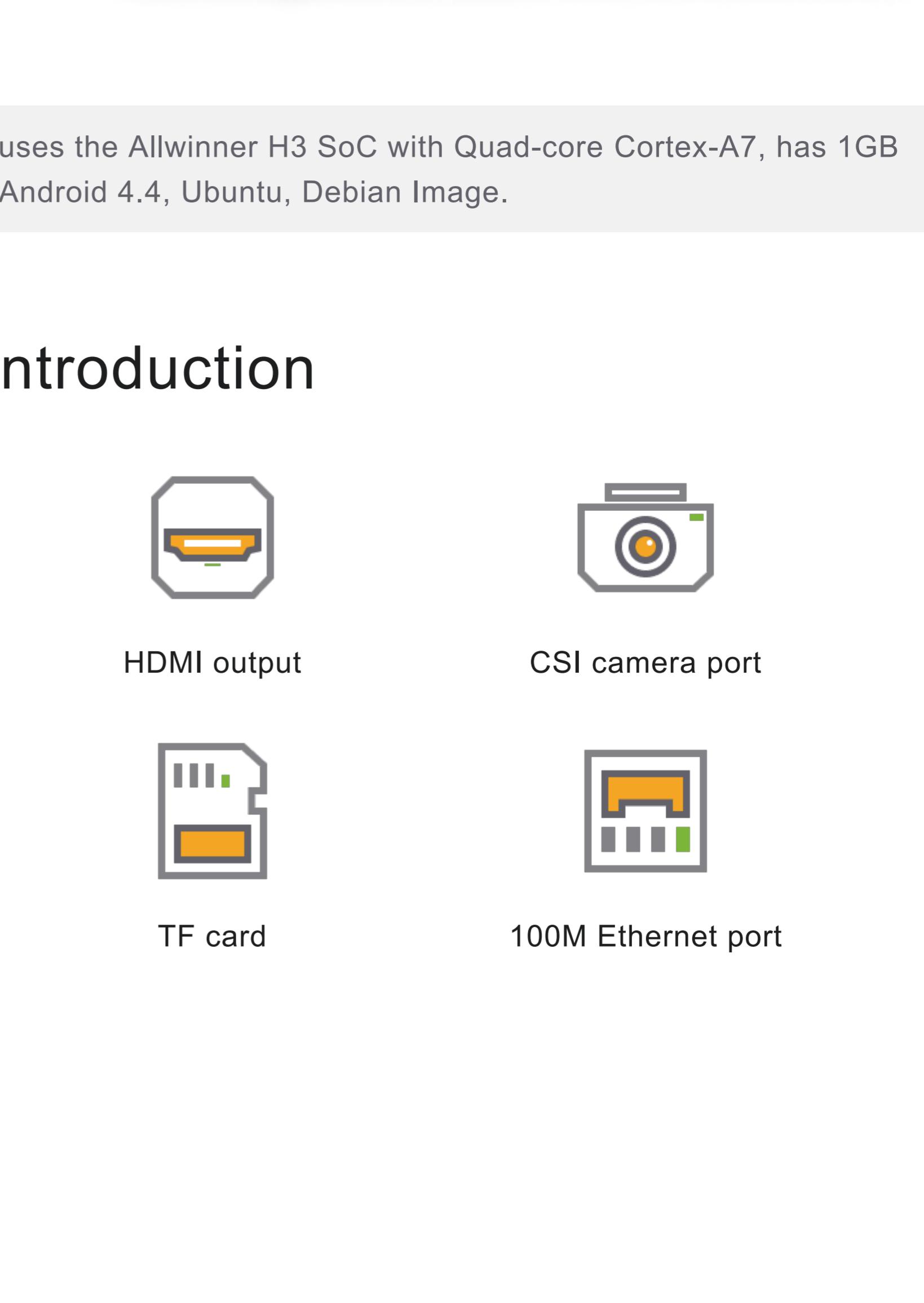


Overview Download

Orange Pi PC

Aliexpress Store BUY Amazon Store BUY

Orange Pi PC

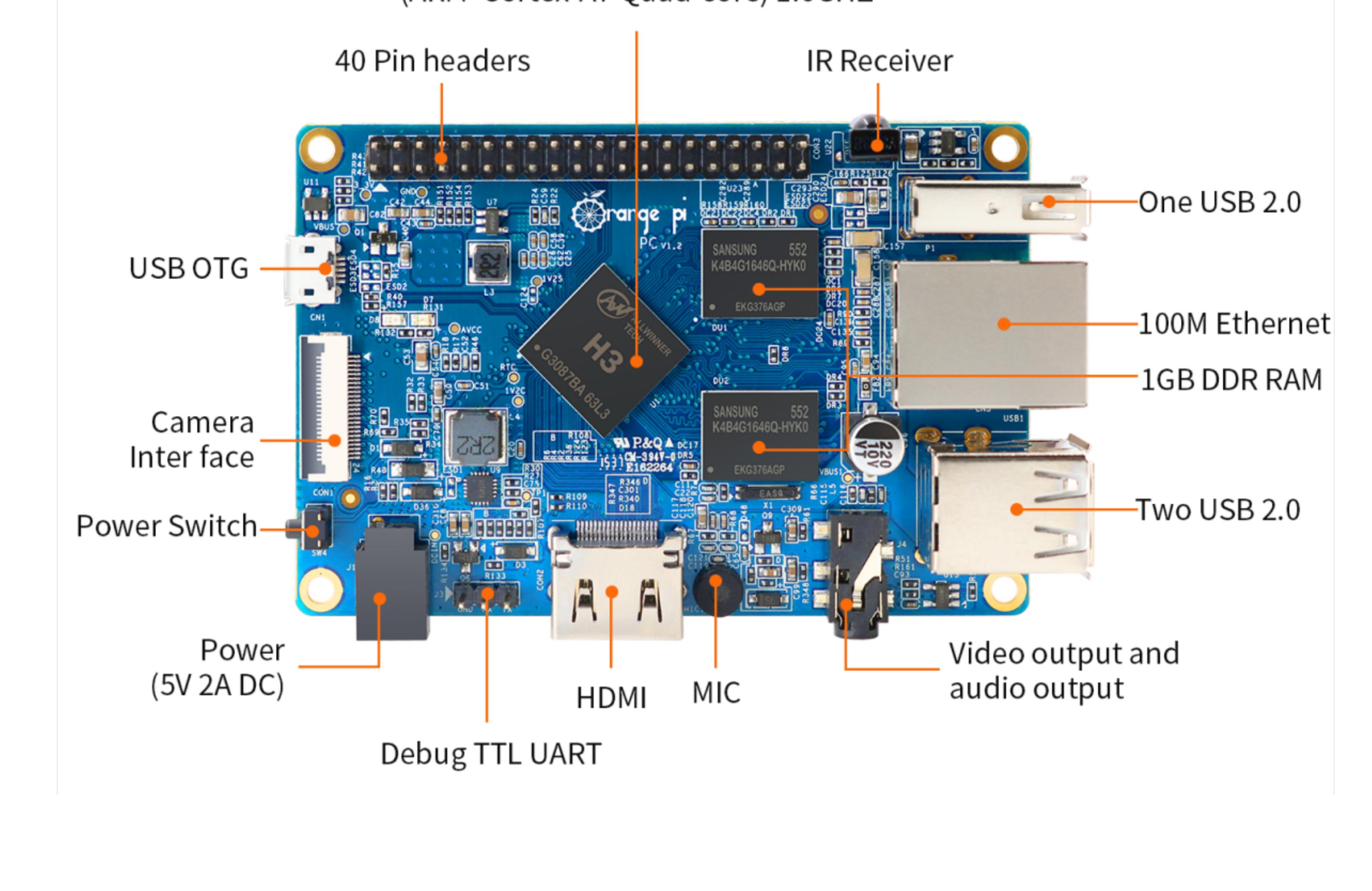


Orange Pi PC is an open-source single-board computer. It uses the Allwinner H3 SoC with Quad-core Cortex-A7, has 1GB LPDDR3 SDRAM, and can run Android 4.4, Ubuntu, Debian Image.

Product introduction



Orange Pi PC offers a range of different ports, including CSI camera port, HDMI output, 40pin headers, 100M Ethernet port, USB2.0, etc. It is powered through DC.



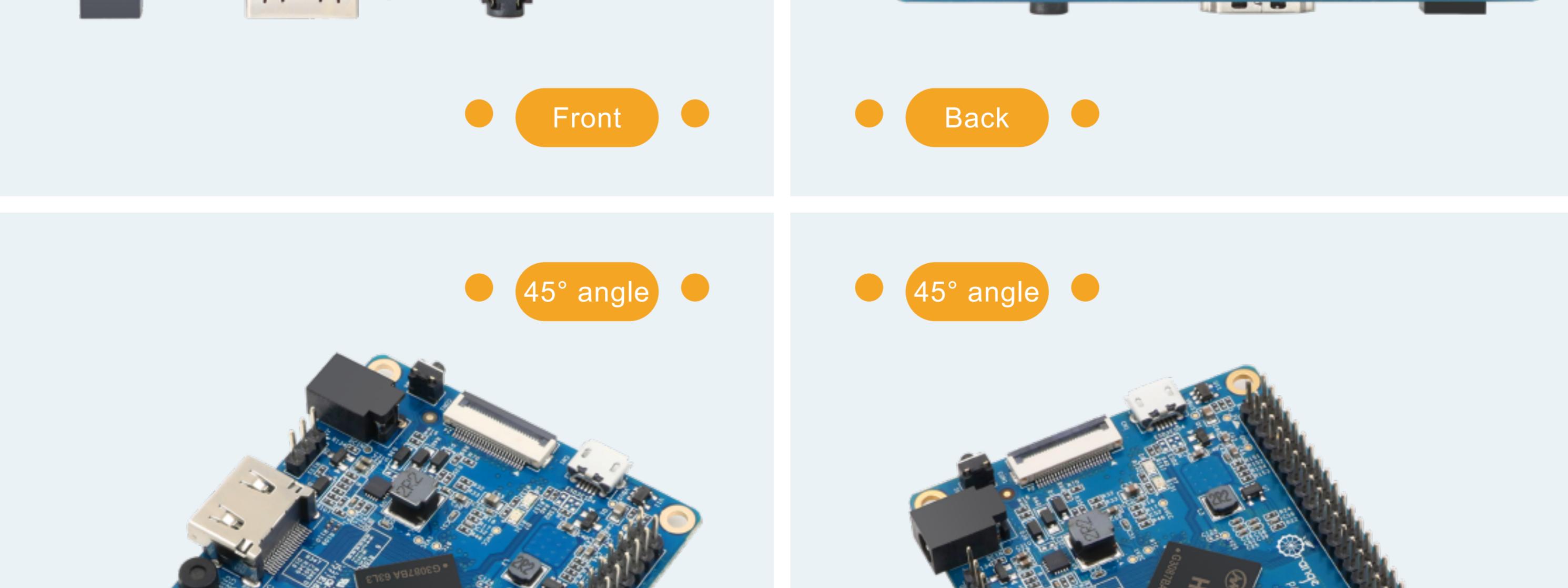
Hardware specification

CPU	H3 Quad-core Cortex-A7 H.265/HEVC 4K
GPU	<ul style="list-style-type: none"> Mali400MP2 GPU @600MHz Supports OpenGL ES 2.0
Memory (SDRAM)	1GB DDR3 (shared with GPU)
Onboard Storage	TF card (Max. 32GB)
Onboard Network	10/100M Ethernet RJ45
Video Input	<ul style="list-style-type: none"> A CSI input connector Camera: Supports 8-bit YUV422 CMOS sensor interface Supports CCIR656 protocol for NTSC and PAL Supports SM pixel camera sensor Supports video capture solution up to 1080p@30fps
Audio Input	MIC
Video Outputs	<ul style="list-style-type: none"> Supports HDMI output with HDCP Supports HDMI CEC Supports HDMI 3D function Integrated CVBS Supports simultaneous output of HDMI and CVBS
Audio Output	3.5 mm Jack and HDMI
Power Source	DC input can supply power, but USB OTG input don't supply power
USB 2.0 Ports	Three USB 2.0 HOST, one USB 2.0 OTG
Buttons	Power Button(SW4)
Low-level peripherals	40 Pins Header
GPIO(1x3) pin	UART, Ground.
LED	Power led & Status led
Key	IR input, Power
Supported OS	Android Ubuntu, Debian Image

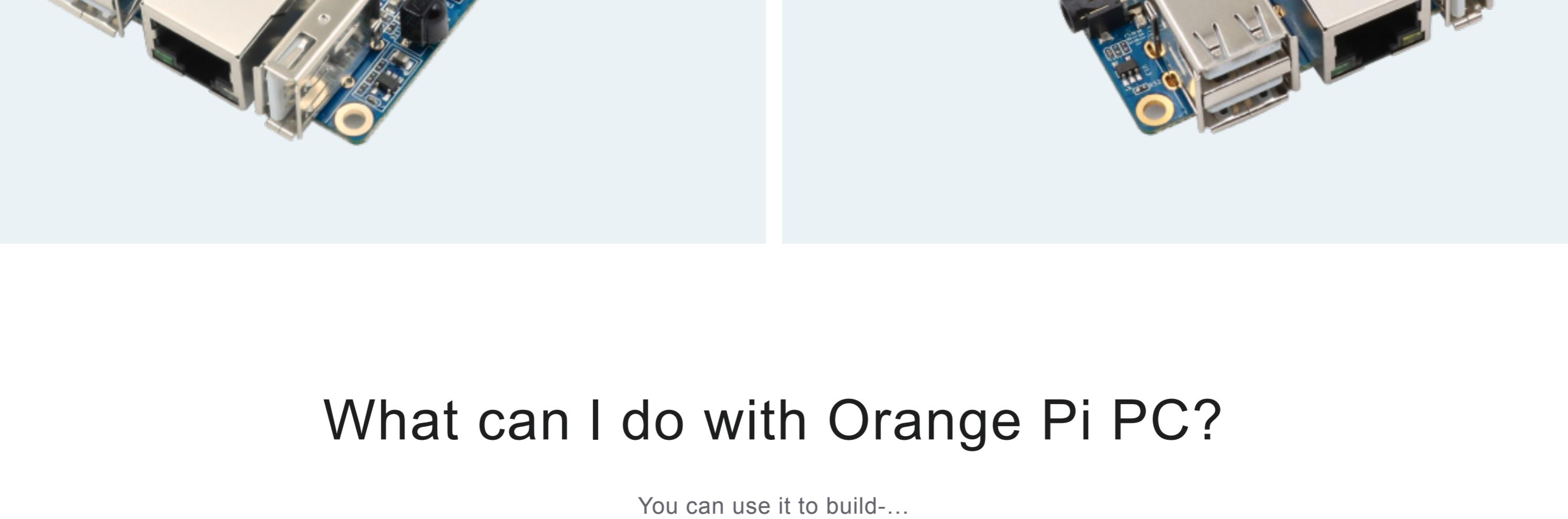
Interface definition

Product size	85 mm × 55mm
Weight	38g

Top view

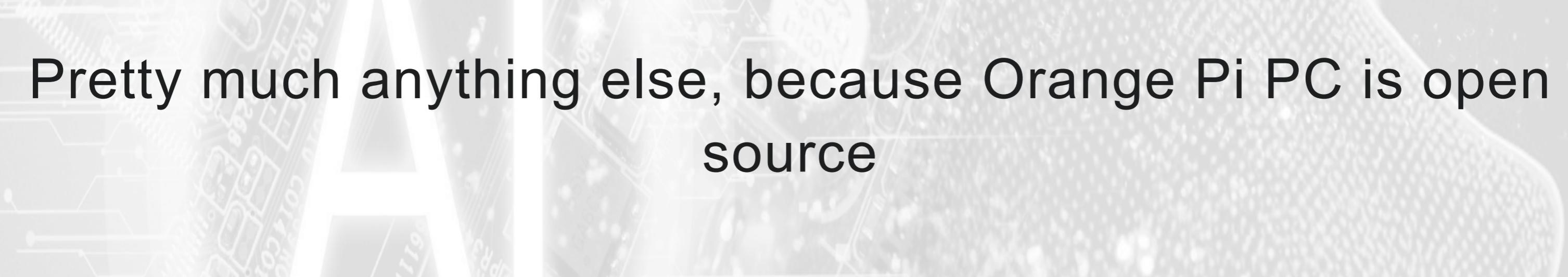


Bottom view



Orange Pi PC v1.2 pinout diagram

Pin#	NAME	NAME	Pin#
01	VCC-3V3	VCC-5V	02
03	TWI0-SDA (PA12)	VCC-5V	04
05	TWI0-SCK (PA11)	GND	06
07	PWM1(PA6)	(PA13)UART3_TX	08
09	GND	(PA14)UART3_RX	10
11	UART2_RX(PA1)	(PD14)PD14	12
13	UART2_TX(PA0)	GND	14
15	UART2_CTS(PA3)	(PC4)PC4	16
17	VCC-3V3	(PC7)CAN_RX	18
19	SPI0_MOSI(PC0)	GND	20
21	SPI0_MISO(PC1)	(PA2)UART2_RTS	22
23	SPI0_CLK(PC2)	(PC3)SPI0_CS0	24
25	GND	(PA21)PA21	26
27	TWI1-SDA(PA19)	(PA18)TWI1-SCK	28
29	PA7(PA7)	GND	30
31	PA8(PA8)	(PG8)UART1_RTS	32
33	PA9(PA9)	GND	34
35	PA10(PA10)	(PG9)UART1_CTS	36
37	PA20(PA20)	(PG6)UART1_TX	38
39	GND	(PG7)UART1_RX	40



Completely open source maker artifact

Shared WiFi Devices

Game Consoles

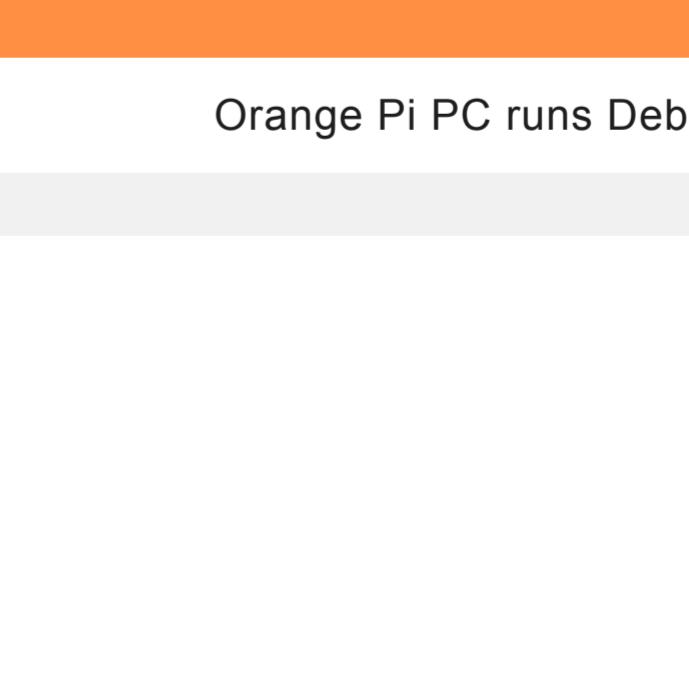
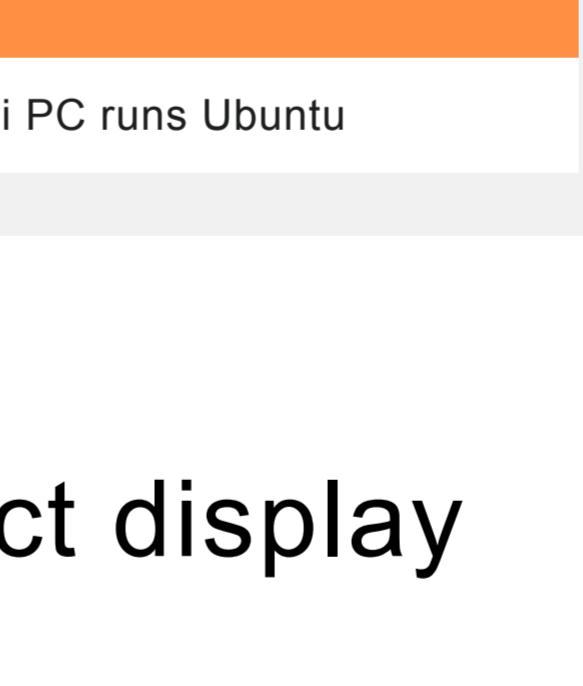
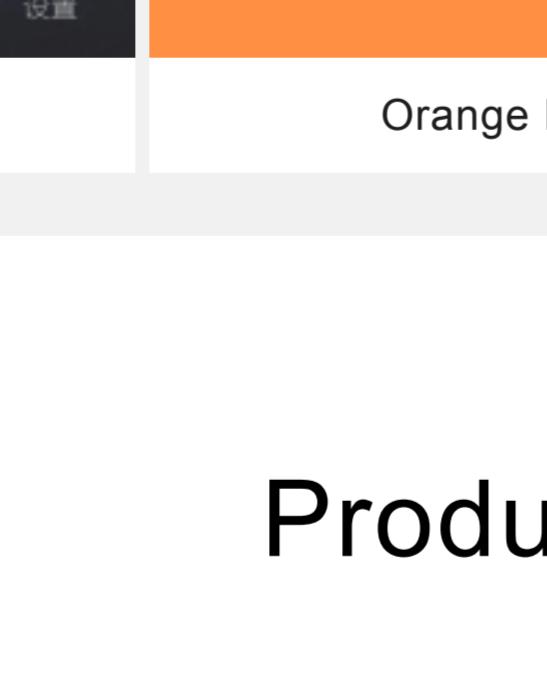
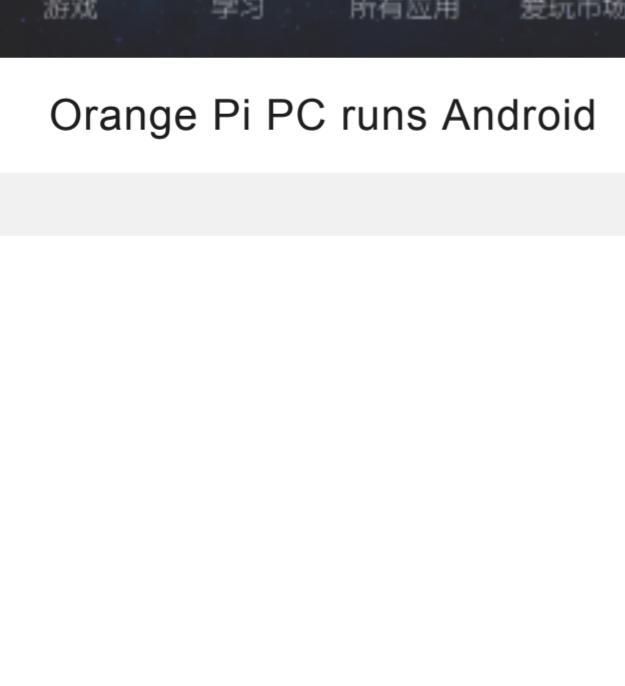
3D Printing

Programming Learning

Product display

What can I do with Orange Pi PC?

You can use it to build...

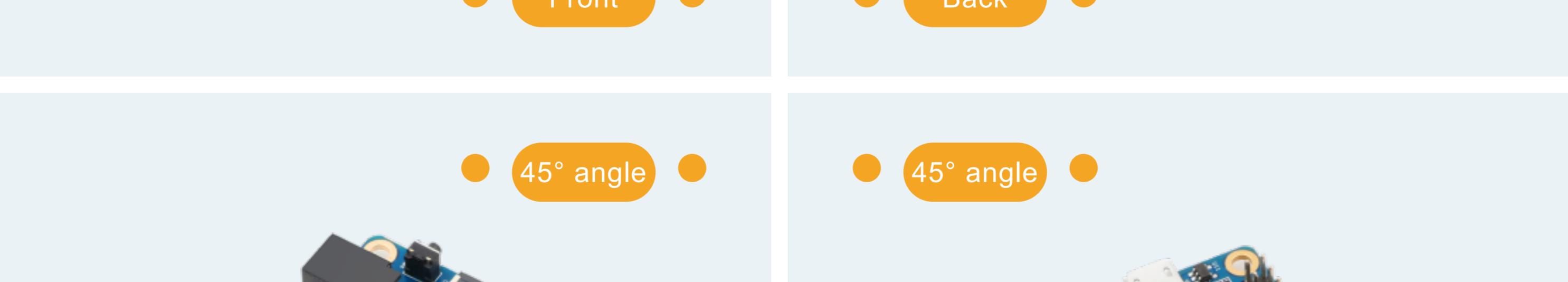
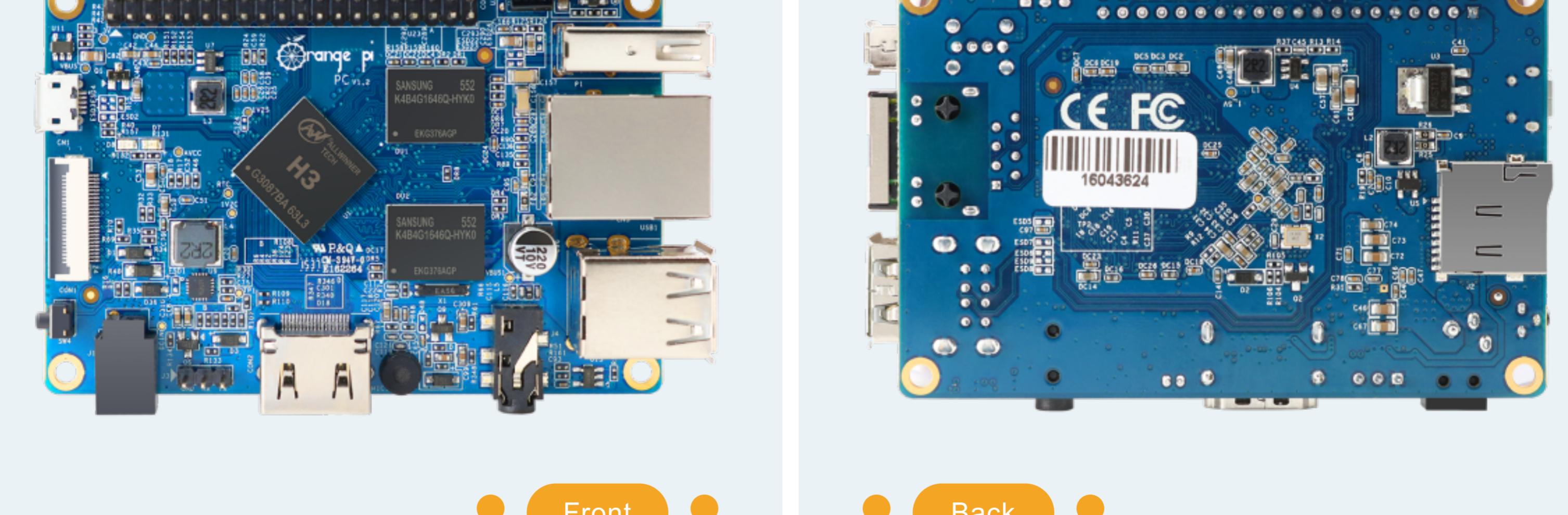


Shared WiFi Devices

Game Consoles

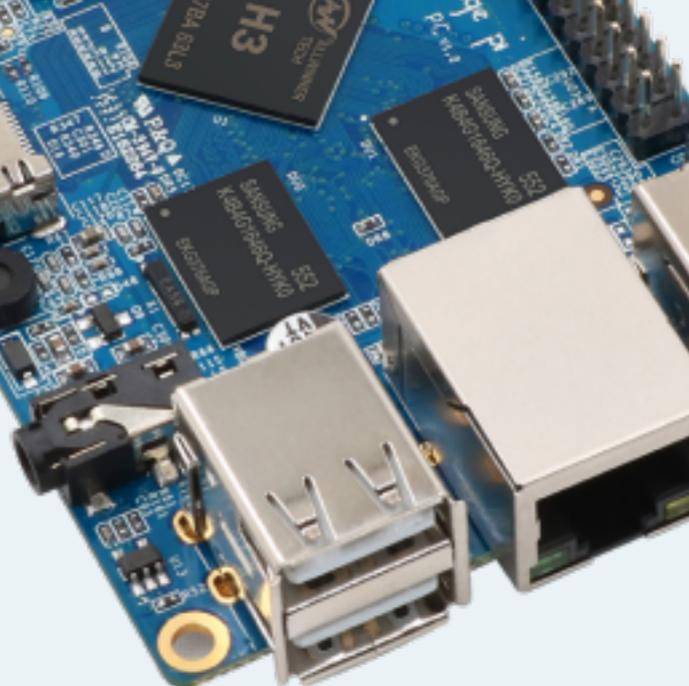
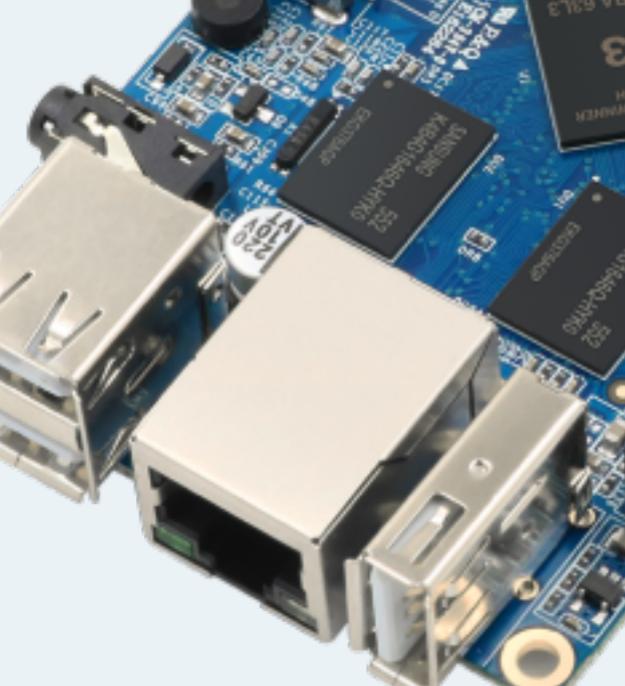
3D Printing

Programming Learning



Pretty much anything else, because Orange Pi PC is open source

You can use it to build...



Shared WiFi Devices

Game Consoles

3D Printing

Programming Learning



About Orange Pi

Orange Pi Store

Service & Support

Contact us

About us

AliExpress Link1 Link2 Link3

Documentation

Tel: (86)0755-26765483

Contact us

Amazon

Downloads

Email: zhao_steven@263.net (Consulting service)

SKYPE ID: zhayufan_steven

Social group

Telegram Group 1

Facebook Group 1

Facebook Group 3

Social group

Telegram Group 2

Facebook Group 2

Facebook Group 3

Social group

Facebook Group 3

Facebook Group 3

Discord