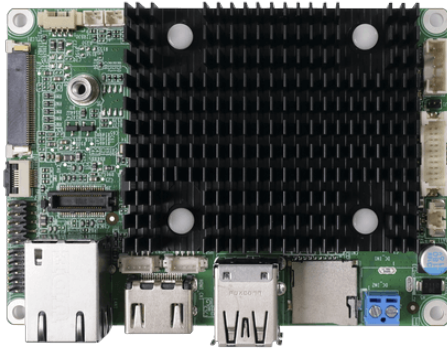


# HYPER-RK3566

Pico-ITX单板，搭载RK3566，2/4GB LPDDR4/4X，16/32GB eMMC，HDMI™ 2.0，MIPI DSI，LVDS，1 x 1千兆 RJ45，1 x USB3.0，3 x USB2.0，2 x (RS232+RS485)，可选:WI-FI5/6 + BT，12V直流输入，Debian 10 / Android 12，RoHS



## Features

- » Pico-ITX 单板计算机搭载 RK3566 处理器
- » 板载 2/4GB LPDDR4/4X
- » 板载 16/32GB eMMC
- » 支持 1 x USB3.0 Host Type A
- » 支持 1 x USB2.0 OTG Type A
- » 支持 2 x USB2.0 Host 接口
- » 显示接口支持 1 x HDMI™ 2.0, MIPI 和 LVDS
- » 支持 1 x 1千兆 网络接口
- » 支持 2 x (RS232+RS485)
- » 支持 8 bit-GPIO
- » 选配: WIFI5/6 + BT
- » 12V 直流输入
- » Debian10 / Android12, RoHS

## Specifications

系统	
CPU	瑞芯微 RK3566 (4核心Cortex-A55 主频高达 1.8Ghz)
内存	2/4GB LPDDR4/4X
内存上限	支持高达 8GB (可选: 2GB Sku 仅支持 Linux)
支持的操作系统	Android 12.0, Linux Debian 10 (kernel 4.19)
物理特性	
尺寸 (LxWxH) (mm)	100mm x72mm
净重	95g
存储	
存储	1 x SD/MicroSD card : Micro SD Slot
	eMMC : 16/32GB Emmc NAND FLASH (Option:16GB Sku only support Linux)
I/O 接口	
显示输出	1 x HDMI™ (Type A) -
	Android OS supports Dual-screen display of the same content;
	Debian OS supports single-screen display;
	1 x LVDS (SMD;30PIN;180°;P=1.25MM) -
	Android OS supports Dual-screen display of the same content;
	Debian OS supports single-screen display;
	1 x MIPI DSI : 4 Lanes (ZIF FPC; SMD; 40PIN; 180°, P=0.5mm) -
	Android OS supports Dual-screen display of the same content;
	Debian OS supports single-screen display;
网络	1 x LAN : 1GbE RJ45 by YT8521
音频	1 x Mic : 2PIN socket for MIC, Connectors; Wire toBoard; WAFER 1*2PIN; DIP; 2PIN; 180°; P=1.25mm
	1 x Speaker : 2PIN socket for speaker (1.3W); WAFER 1*2 with frame; SMD; 2PIN; 180°; P=1.25mm
I/O接口	2 x 外部RS-232/422/485 : RS-232+RS485, 2 x 5排针
	1 x 外部 USB 2.0 : OTG Type A

	1 x 外部 USB 3.2 Gen1x1 : USB 3.0 Gen1 HOST TypeA
	2 x 内部 USB 2.0 : HOST with 1 x 4 FRAME,180°, P=1.25mm
	1 x I <sup>2</sup> C : TP-I2C (8pin 2.0mm FPC)
	GPIO : 8-bit (4 in/4 out,pin header)
	1 x Console Port
<b>Wireless</b>	
Wi-Fi	(选配) Wi-Fi 5/6 (B to B 接口支持IEI 无线模块)
Bluetooth	(选配) Bluetooth V5.0 (B to B 接口支持IEI 无线模块)
<b>电源</b>	
Input	12V直流
<b>环境</b>	
操作温度	0°C ~ 60°C 有风流
存储温度	-20°C ~ 70°C
Humidity	10% ~ 90%, 无冷凝
<b>认证</b>	
Safety & EMC	EMC Class A
<b>Watchdog Timer</b>	
Watchdog Timer	支持

## Ordering Information

HYPER-RK3566-R10	PICO-ITX SBC with RK3566, 4GB LPDDR4/4X , 32GB eMMC, HDMI™ 2.0, MIPI DSI, LVDS, 1x1GbE RJ45, 1xUSB3.0, 3 x USB2.0, 2x(RS232+RS485), Options:WIFI5/6+BT, 12V DC IN, Debian10, ROHS
HYPER-RK3566-A-R10	PICO-ITX SBC with RK3566, 4GB LPDDR4/4X , 32GB eMMC, HDMI™ 2.0, MIPI DSI, LVDS, 1x1GbE RJ45, 1xUSB3.0, 3 x USB2.0, 2x(RS232+RS485), Options:WIFI5/6+BT, 12V DC IN, Android12, ROHS
HYPER-RK3566-2/16GB-R10	PICO-ITX SBC with RK3566, 2GB LPDDR4/4X , 16GB eMMC, HDMI™ 2.0, MIPI DSI, LVDS, 1x1GbE RJ45, 1xUSB3.0, 3 x USB2.0, 2x(RS232+RS485), Options:WIFI5/6+BT, 12V DC IN, Debian10, ROHS

## Packing List

1x HYPER-RK3566 主板	
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