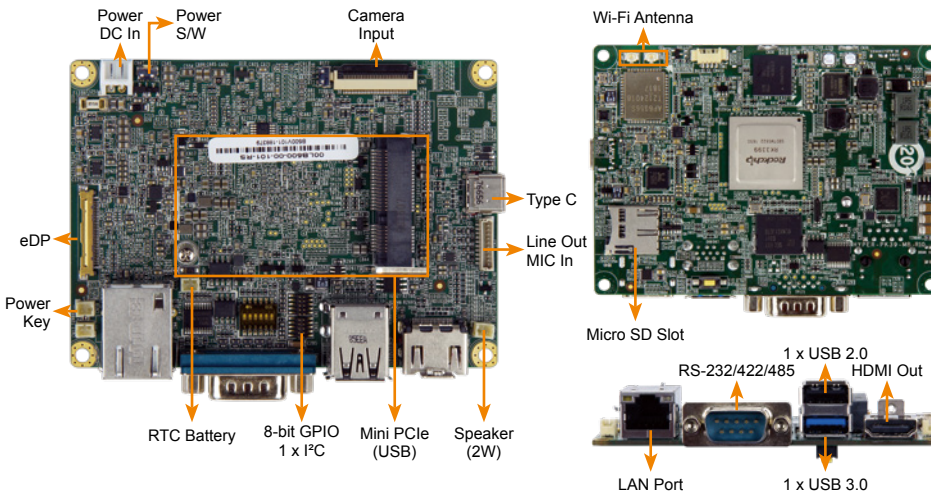


# HYPER-RK39

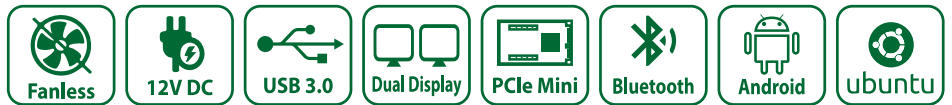
PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, HDMI, eDP, GbE LAN, PCIe mini, USB 3.0, USB 2.0, COM, RoHS

NEW



## Features

- Pico-ITX SBC supports Rockchip RK3399
- HDMI and eDP dual display support
- OS: Android 7.1 & Ubuntu 16.04



## Specifications

Model Name		HYPER-RK39
Chassis	Dimensions (WxHxD) (mm)	Single board: 100mm x 72mm
Motherboard	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
	System Memory	2GB LPDDR3-1866
Storage	SD Card	1 x Micro SD slot
	Flash	16GB eMMC NAND FLASH
Communication	WLAN	802.11 a/b/g/n/ac
	Bluetooth	Bluetooth V4.1
	WWAN	PCIe Mini LTE (optional)
I/O Interfaces	COM port	1 x RS-232/422/485
	GPIO	8 bit (4 in / 4 out)
	Ethernet	1 x GbE RJ45 by RTL8211E
	USB 3.0	1 x USB 3.0 Type A 1 x USB 3.0 Type-C (for OS update)
	USB 2.0	1 x USB 2.0 Type A
	Display	1 x HDMI out 1 x eDP port
Others	1 x I²C	
Expansions	PCIe Mini	1 x Full-size PCIe Mini (reserved for WWAN)
Multimedia	Audio	1 x 2 pin for speaker (2W) 1 x 10 pin (Line in / Line out)
	Camera	1 x MIPI CSI interfaces for Camera
Power	Power Input	1 x 2 pin DC 12V in wafer connector
Reliability	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 95%, non-condensing
	Weight (Net)	80 g
	Safety/EMC	CE/FCC compliant
OS	Supported OS	Android 7.1 or Linux Ubuntu 16.04
	Watchdog Timer	Yes

## Ordering Information

Part No.	Description
HYPHER-RK39-R10	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, RoHS
HYPHER-RK39-R10-TW	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi TW reg, ROHS
HYPHER-RK39-R10-US	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi US reg, ROHS
HYPHER-RK39-R10-EU	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi EU reg, ROHS
HYPHER-RK39-CN-R10-CN	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi CN reg, ROHS
HYPHER-RK39-R10-U-TW	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi TW reg, ROHS
HYPHER-RK39-R10-U-US	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi US reg, ROHS
HYPHER-RK39-R10-U-EU	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi EU reg, ROHS
HYPHER-RK39-R10-U-CN	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, Wi-Fi CN reg, ROHS
HYPHER-RK39-R10-U	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Ubuntu 16.04, HDMI, eDP, GbE LAN, PCIe mini, USB3.0, USB2.0, COM, RoHS

## Packing List

1 x Hyper-RK single board

1 x Two pin to DC in power cable

1 x Heatsink set

1 x RTC battery

## Options

Item	Part No.	Description
Power Adapter	63040-010060-120-RS	Vin:90~264VAC;60W;Φ2.5/Φ5.5/lock
GPIO Cable	32133-030000-100-RS	FEMALE 2*5P P=1.0*2;(B)PIN HEADER 2*5P P=2.54*2
Audio Cable	32107-005200-100-RS	Audio Jack:Ø3.5,6P
Power Switch Cable	19S00-015600-100-RS	ROCKER SWITCH:250V/6A,2P,ON/OFF
ePD Cable	32602-030700-100-RS	CABLE;;2;300MM;34AWG;(A)I-PEX:20454-240T P=0.5+PULL BAR*2
ePD Panel	23000-01160PS01-RS	LCD-TFT;11.6";Panasonic;1920*1080;280cd/㎡;LED;;VVX12F045J00;eDP 8BIT;;RoHS
Speaker	19800-025000-100-RS	SPEAKER+CABLE MODULE;;2;300MM;28AWG;(A)Speaker:26.6*15.6*9.0MM,8Ω,1.5W
IPEX to SMA cable	32501-000705-100-RS	RF CABLE FOR DVBT;LINE DIAMETER:1.37mm;213MM;50Ω;Exceltek;0-6GHz
Wi-Fi Antenna	32505-004800-100-RS	WLAN;2.4G+5G WI-FI ANTENNA
Camera module	71001-COC794A5SFE-RS	Image Module; 2592*1944
LTE Antenna	32505-004200-100-RS	WLAN;LTE FULL BAND ANTENNA

\* Use LTE module need to add a SIM card slot board.

## HYPHER-RK39 Dimensions

(Unit: mm)

