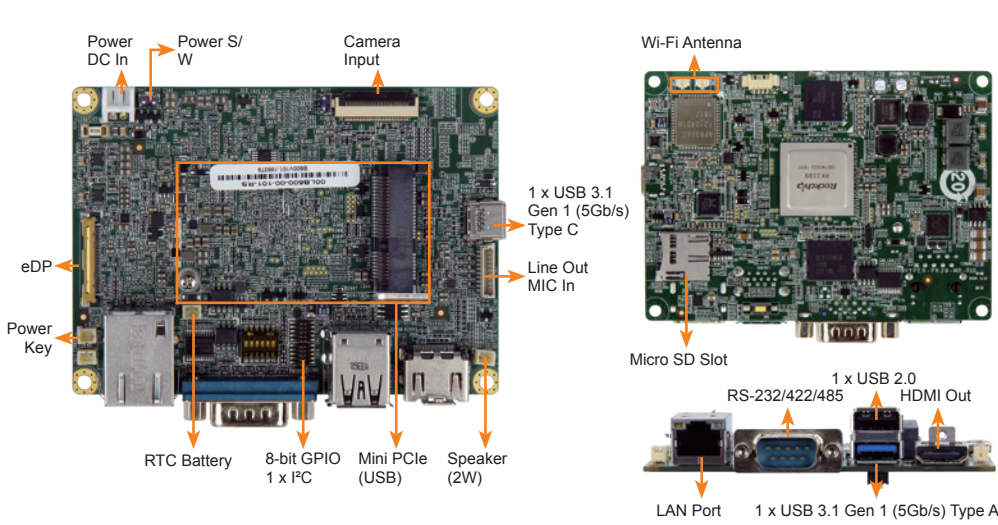


# HYPER-RK39

PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3, 16GB eMMC Flash, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, RoHS



## Features

- Pico-ITX SBC supports Rockchip RK3399
- HDMI and eDP dual display support
- OS: Android 7.1 & Linux QT 5.9.4



## Specifications

Model Name		HYPER-RK39
Chassis	Dimensions (WxHxD) (mm)	Single board: 100mm x 72mm
	CPU	Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
Motherboard	System Memory	2GB LPDDR3-1866
	SD Card	1 x Micro SD slot
Storage	Flash	16GB eMMC NAND FLASH
	WLAN	802.11 a/b/g/n/ac
Communication	Bluetooth	Bluetooth V4.1
	WWAN	PCIe Mini LTE (optional)
	COM port	1 x RS-232/422/485
I/O Interfaces	GPIO	8 bit (4 in / 4 out)
	Ethernet	1 x GbE RJ45 by RTL8211E
	USB 3.1 Gen 1	1 x USB 3.1 Gen 1 (5Gb/s) Type A 1 x USB 3.1 Gen 1 (5Gb/s) Type C
	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
Multimedia	Audio	1 x 2 pin for speaker (1.5W 8Ω) 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
	Power Consumption	12V @ 1.2A
Reliability	Operating Temperature	-10°C ~ 50°C with air flow
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% ~ 90%, non-condensing
	Weight (Net)	80 g
	Safety/EMC	CE/FCC Class A compliant
OS	Supported OS	Android 7.1 or Linux QT 5.9.4
	Watchdog Timer	Yes

## Ordering Information

Part No.	Description
HYPER-RK39-R10	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, RoHS
HYPER-RK39-R10-TW	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi TW reg, RoHS
HYPER-RK39-R10-US	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi US reg, RoHS
HYPER-RK39-R10-EU	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi EU reg, RoHS
HYPER-RK39-R10-CN	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Android 7.1, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi CN reg, RoHS
HYPER-RK39-R10-L-TW	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Linux QT, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi TW reg, RoHS
HYPER-RK39-R10-L-US	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Linux QT, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi US reg, RoHS
HYPER-RK39-R10-L-EU	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Linux QT, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi EU reg, RoHS
HYPER-RK39-R10-L-CN	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Linux QT, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, COM, Wi-Fi CN reg, RoHS
HYPER-RK39-R10-L	PICO-ITX SBC with Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Linux QT, HDMI, eDP, GbE LAN, PCIe mini, USB 3.1 Gen 1, USB 2.0, 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; $\Phi$ 2.5/ $\Phi$ 5.5/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: $\Phi$ 3.5, 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
Speaker	19800-025000-100-RS	SPEAKER+CABLE MODULE, 2;300MM, 28AWG, (A)Speaker:26.6*15.6*9.0MM, 8 $\Omega$ , 1.5W
IPEX to SMA cable	32501-000705-100-RS	RF CABLE FOR DVBT, LINE DIAMETER:1.37mm;213MM, 50 $\Omega$ , 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
LTE Module	27552-000004-RS	WCDMA/HSPA+/LTE, SIM7500SA
	27552-000005-RS	GSM/LTE/WCDMA, SIM7500E
	27552-000006-RS	LTE/WCDMA, SIM7500A

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

## HYPER-RK39 Dimensions

(Unit: mm)

