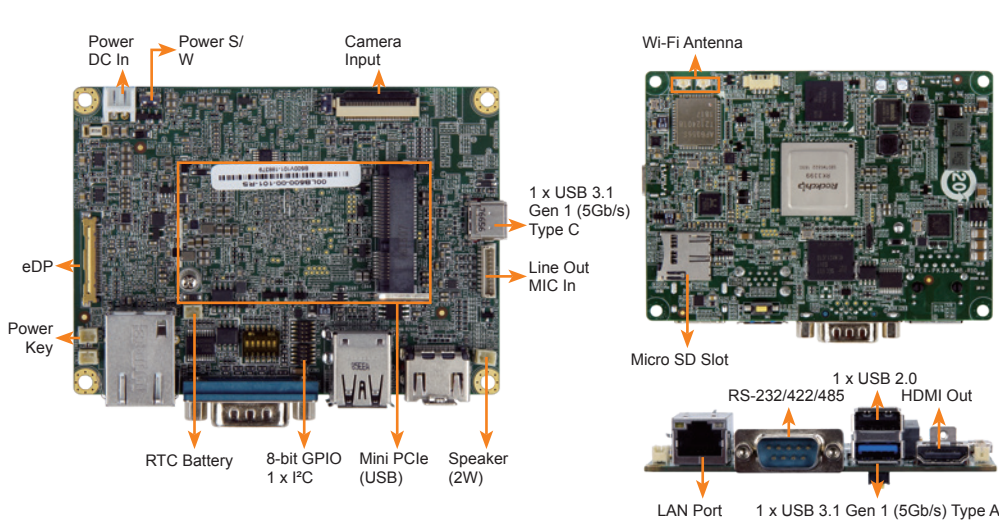


HYPER-RK39

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



New



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; Φ 2.5/ Φ 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: Φ 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 Ω , 1.5W |
| IPEX to SMA cable | 32501-000705-100-RS | RF CABLE FOR DVBT, LINE DIAMETER:1.37mm;213MM, 50 Ω , 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)

