POLYHEX

Embedded Motherboard Based on Rockchip RK3399 CPU
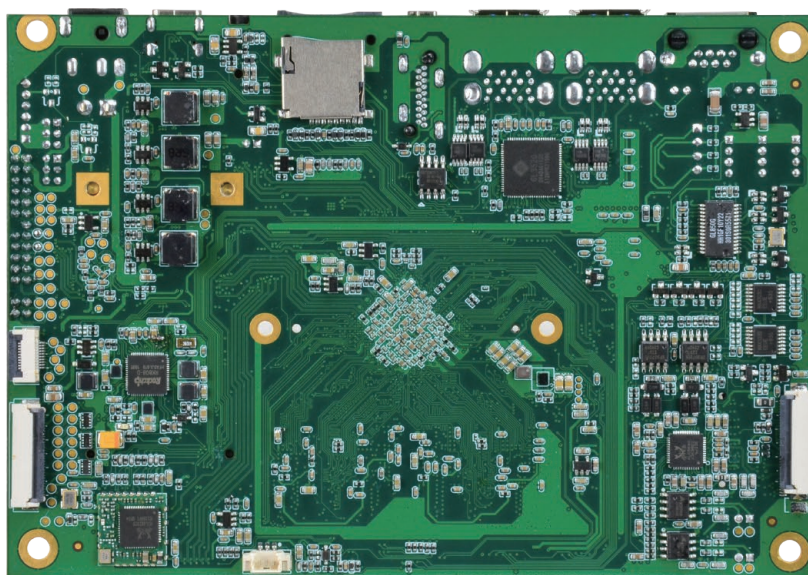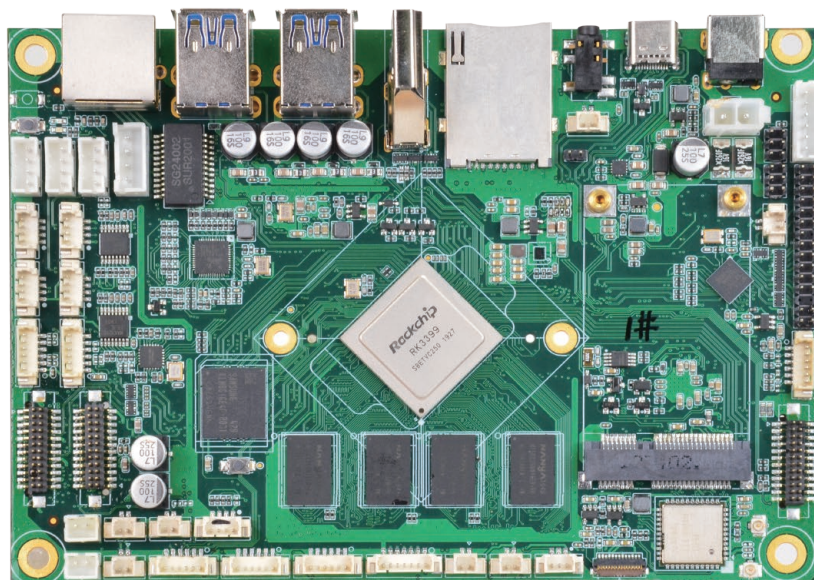
Specification：

CPU	RK3399
	Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.4GHz
GPU	Mali-T860MP4 GPU，Support OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11
DDR	2GB Double-Channel 64bit LPDDR4, Support 4GB
Flash	16GB eMMC5.1, Support 8GB/32GB/64GB/128GB
WIFI&BT	WIFI2.4G/5G, BT4.0
USB OTG	1 x USB OTG, Type-C Connector
Earphone	1 x φ3.5mm Earphone Out, With Mic in
TF	1 x TF Card Slot
SIM	1 x SIM Card Slot
HDMI	1 x HDMI OUT
USB3.0	4 x USB3.0, USB A-Type Connector
RJ45	1 x 10/100/1000M LAN Port
Mini PCIe	1 x Mini PCIe Slot For 4G Module
CSI	1 x 4 Lane CSI MIPI In For Camera
DSI	1 x 4 Lane DSI MIPI Out For LCD
TP	1 x Touch Panel(I2C interface)
LVDS	1 x Double Channel 8bit LVDS OUT
eDP	1 x 4 Lane eDP OUT
Extended interface	1 x TTL UART For DEBUG
	4 x RS232(Default) Or TTL UART(Select)
	2 x RS485(Default) Or RS232(Select) Or TTL UART(Select)
	3 x USB2.0
	2 x Speaker Out
	1 x Audio in
	12 x GPIO
	4 x I2S In
	2 x ADC In
	1 x IR In
	1 x PWM
	1 x RTC
	2 x KEY, Power Key and Recovery Key
OS	Android7.1/ubuntu16.04, android 9.0/debian9
Power In	DC 12V/2A
Size	146 x 102 x 16mm

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Beyond the Embedded Deployment