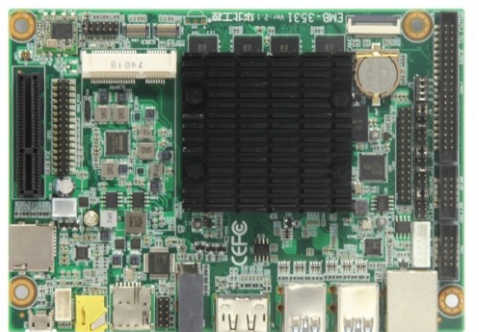


## EMB-3531

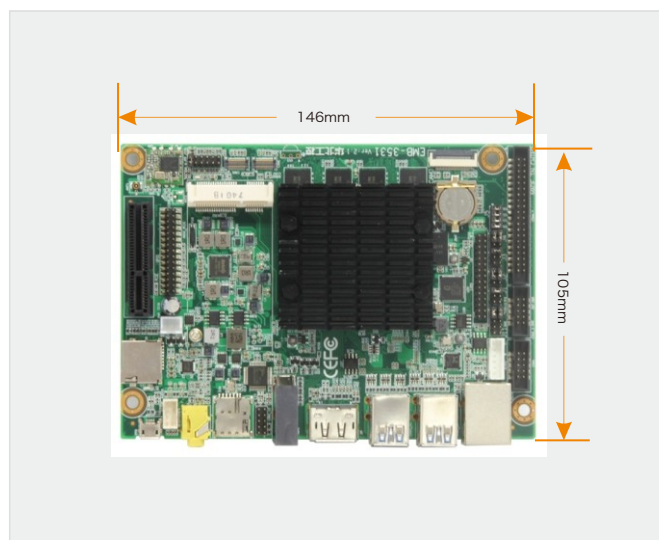
Based on Rockchip RK3399 ARM Architecture  
3.5" Industry Motherboard



### Product:

- ◆ Based on Rockchip RK3399 chip, dual core Cortex-A72+quad core Cortex-A53 64 bit hexa-core processor.
- ◆ 2GB/4GB DDR3 memory, 16/32/64GB EMMC, 1x TF card slot
- ◆ Integrated Mali-T864 GPU, supports 1x DP, 1x HDMI, 1x LVDS display interface.
- ◆ 7x COM, 4x USB3.0, 2x USB2.0, 1x LAN, 2x MIPI Camera, 1x CIF, 8x GPIO, support WIFI, BT, IR, 4x head phone jacks, 2x Mic, 2x 5W power amplifier output.
- ◆ 1x PCIE X4, 1x MINI PCIe interface, 1x SIM card slot ( supports 3G/4G network )
- ◆ Size: 146mm\*105mm

### Dimension:



### Specification:

Model	EMB-3531
Platform	Rockchip ARM platform
CPU	RK3399 ( A72*2 core 2GHz + A53*4 core 1.5GHz )
Memory	On board 2GB/4GB DDR3 memory
Storage	On board 16/32/64GB EMMC, 1x TF card slot
GPU	ARM new generation image processor Mali-T864 GPU
Display	1x HDMI, 1x LVDS ( 2x15Pin ) 1x DP
Ethernet	1x LAN, 10/100/1000Mbps WIFI, BT, IR, support 3G/4G network
USB	4x USB3.0, 2x USB2.0, 1x Mini USB
COM	7x COM ( 1x DB9 debug connection, 4x RS232/TTL , 2x COM485/232/TTL )
Audio	Support 4xhead phone jacks, 2x Mic, 2x 5W power amplifier output
Other I/O	2x MIPI Camera(2x15P), 1x CIF(24P FPC), 1x Gsensor 8x GPIO reuse 1x SPI, 4x ADC, I2C, Provide 1x MINI PCIe interface, 1x SIM card slot, 1x PCIE X4
System Control	Reset switch, Power switch
RTC	Support
Watchdog	Support
FAN	Fanless
Power Supply	12V 1x 2PIN connector power supply
Temperature	Operating Temperature: -20°C ~ 60°C  Storage Temperature: -40°C ~ 85°C
Humidity	5% ~ 95% RH, non-condensing
Size	146mmx 105 mm
OS	Android/Linux

Part number	Specification Model	Material	QTY
6.81.0360300029	RoHS dual USB line 2*5P spacing 2.0 DuPont connector/2xUSBAF,without baffle USB2.0 grey USB line L=300mm "	USB line	2x
6.81.0260290039	RoHS 2*5P spacing 2.0mm socket turn DB9 male plug, grey flat serial port line L=290mm"	COM Wire	5x
6.98.1311205089	RoHS power adapter Input: 100~240V 50/60Hz 0.8A, Output: 12V 1500mA no power plug, international standard pins GLS Electronic MODLE: GLS20W-12V1500"	12V 1.5A Power adapter	1x