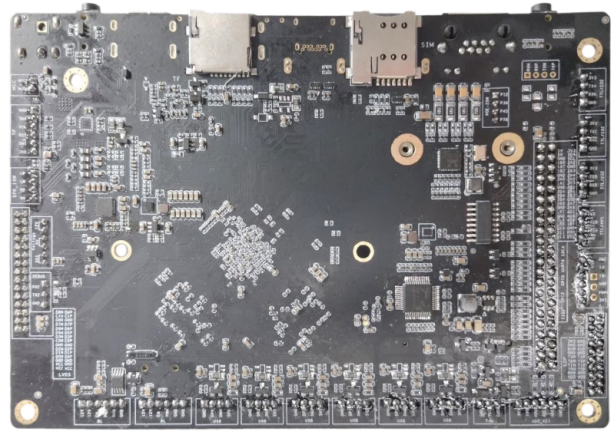**POLYHEX**

Embedded Motherboard Based on Rockchip RK3399
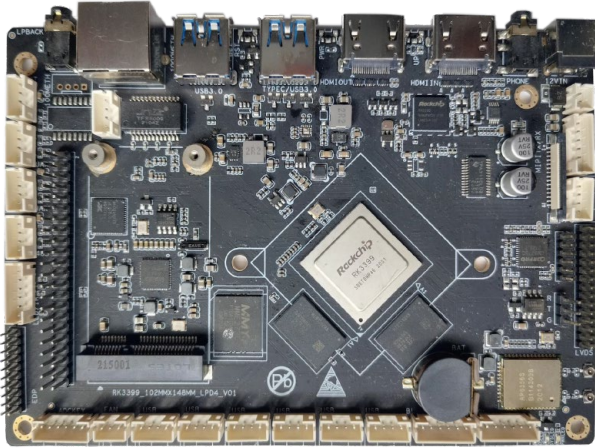

Compliance:


Specification:

Voltage Input	DC 12V~24V
CPU	Rockchip RK3399 2 x Cortex-A72 & 4 x Cortex-A53
DDR	4G (512M*32Bit*4)
eMMC	16GB/32GB/64GB (optional)
PUM	Rockchip RK808-D
LAN	RTL8211F/1000M
WIFI & BT Module	AP6356S (optional)
Camera	Support 0.3-5M
LCD	Optional (MIPI/eDP/LVDS)
TP	Optional (I2C/USB)
Speaker	External speaker 15W
MIC	External
Type-C	Optional
USB	2 x USB 3.0, 6 x USB 2.0
4G Module	Optional, M.2 interface

I/O Interfaces:
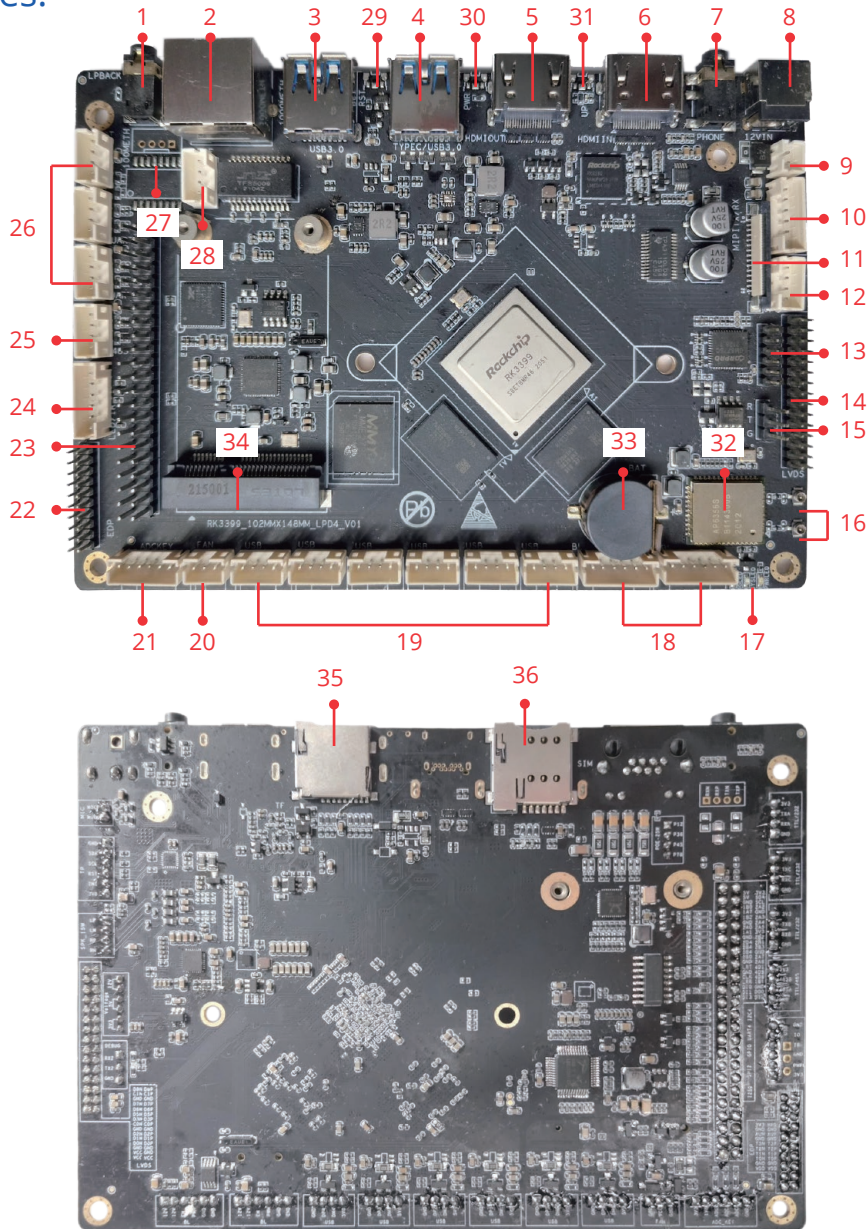
1 LoopBack	**2** 1000Mbps LAN	**3** USB 3.0
4 USB 3.0/Type-C	**5** HDMI OUT	**6** HDMI IN
7 Headphone	**8** DC IN 12V~24V	**9** MIC
10 Touch Panel	**11** MIPI-TX/RX	**12** 15W Speaker
13 Power 3.3V/5V/12V	**14** LVDS	**15** Debug Serial Port
16 WIFI/BT Antenna	**17** 3 x LED Indicators	**18** 2 x Backlight
19 6 x USB 2.0	**20** Fan	**21** ADC Key
22 eDP	**23** I2S0/SPI2/GPIO/UART4/I2C4	**24** Infrared Reception
25 UART-RS485	**26** 3 x UART-RS323	**27** 100Mbps LAN
28 PoE	**29** Reset Button	**30** Power Button
31 Upgrade Button	**32** WIFI & BT Module	**33** Button Battery Holder
34 M.2 Slot	**35** TF Slot	**36** SIM Slot

Dimension:
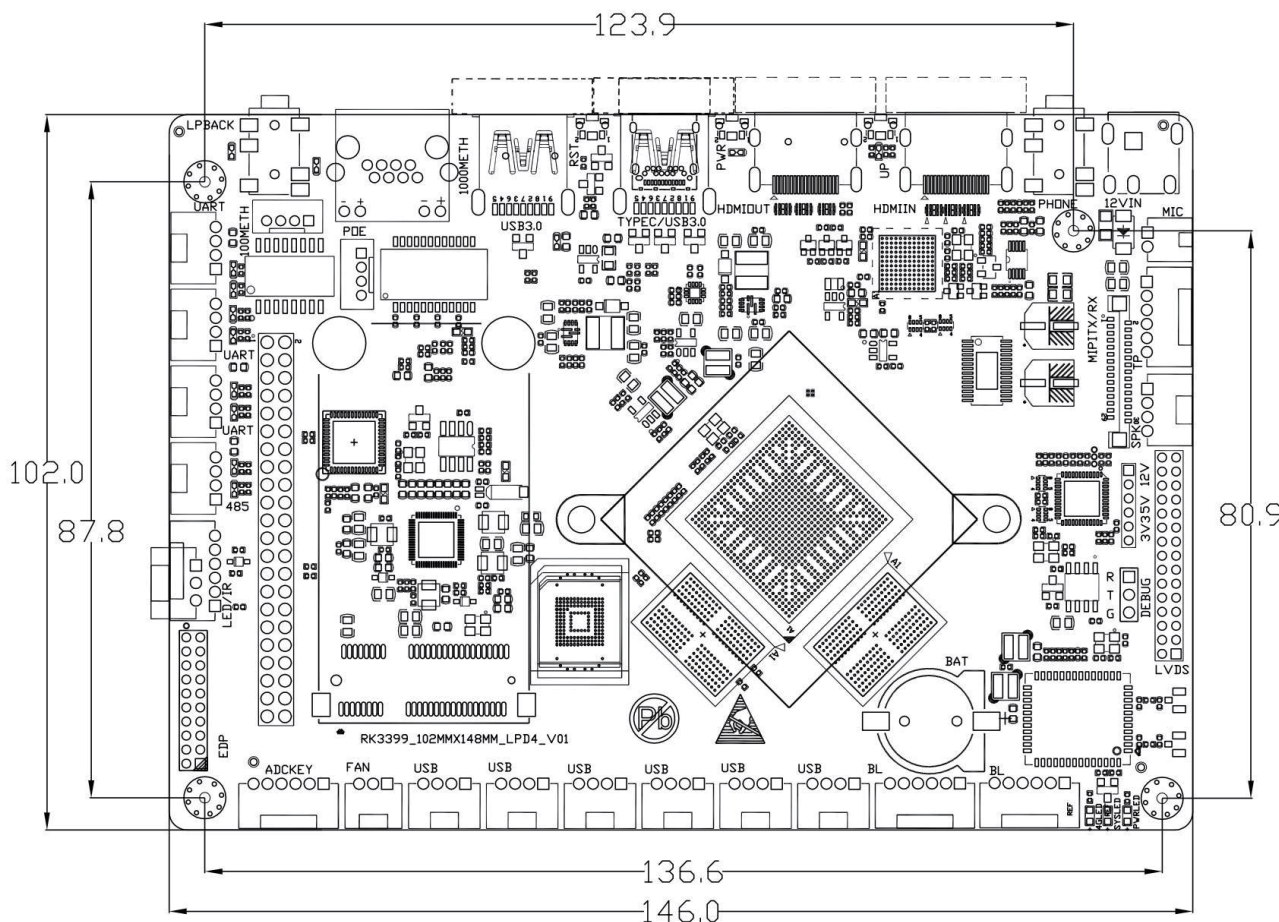
Note:

1. PCBA dimensions: 146.0mm x 102.0mm x 1.6mm

2. The distance between the center of the mounting holes is 136.6mm(L), 123.9mm(L), 87.8mm(W), 80.9mm(W)

3. Mounting hole diameter: 3.5mm

POLYHEX
Beyond the Embedded Deployment