POLYHEX

Embedded Box PC Based on Rockchip RK3399 CPU

TF Card Slot

RJ45 Network

RF Antenna 1#

4 x USB3.0

HDMI Out

SIM Card

Earphone

USB OTG

DC In

RF Antenna 2#

RS-485

5- 5+ 6- 6+

GPIO

V 0 1 2 3 4 5 6 7

HDD PWD

PWER

COM1

COM2

COM3

COM4

SGS ISO12485

SGS ISO9001

CE

FC

RoHS 2002/95/EC

CCC
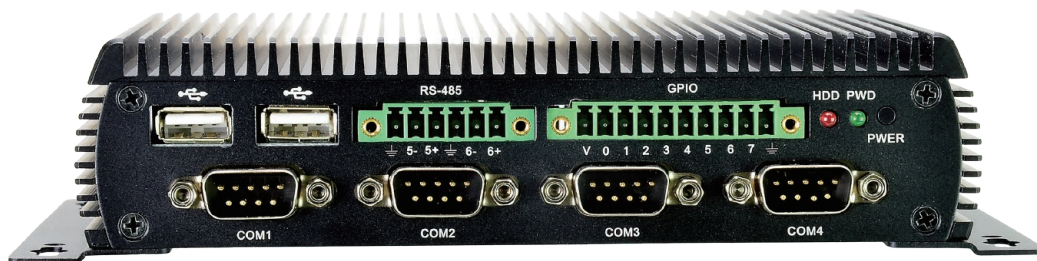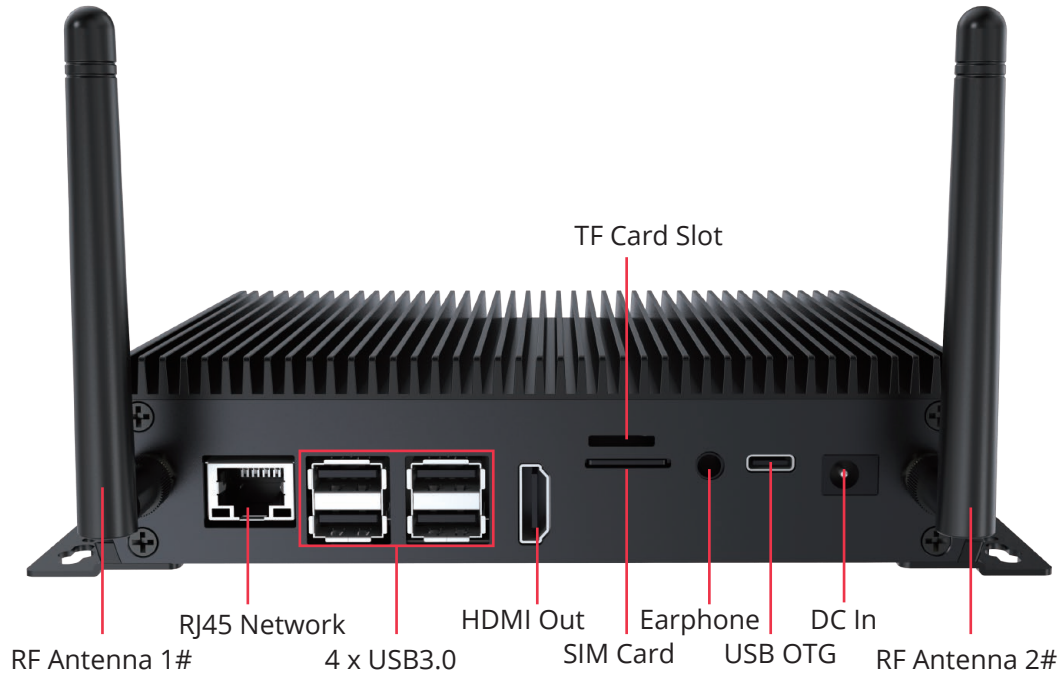
Specification：

System	
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
Memory	Onboard 4GB, 2GB optional
Storage	eMMC5.1 32GB Default, 8GB/16GB/64GB optional
Operating System	Android 8.1, Ubuntu 20.04
Connectivity	
LAN	1 x RJ45 RTL8211E
WiFi	1
Bluetooth	1
External Connectors	
USB Host	4 x Type-A USB3.0, 2 x Type-A USB 2.0
SIM Card Slot	1 x SIM
TF Card Slot	1 x TF card slot
USB OTG	1 x Type-C USB
Earphone	1 x φ3.5mm Earphone out, with Mic in
RS-232 COM	4
RS-485	2
GPIO	8
Internal Connectors	
Mini PCIe	1 x Mini PCIe Slot For 4G Module
Display	
HDMI	1
Power	
Power Input	12V/2A DC IN
Mechanical & Environmental	
Enclosure Material	Stainless Steel + Aluminum
IP Rating	IP69K
Dimensions	169.42 x 38.9 x 124mm (W x H x D)
MB Size	145 x 102mm (L x W)
Gross Weight	780 grams
Temperature	Industrial: -20~70℃
Relative Humidity	10 to 90 %

POLYHEX
Beyond the Embedded Deployment