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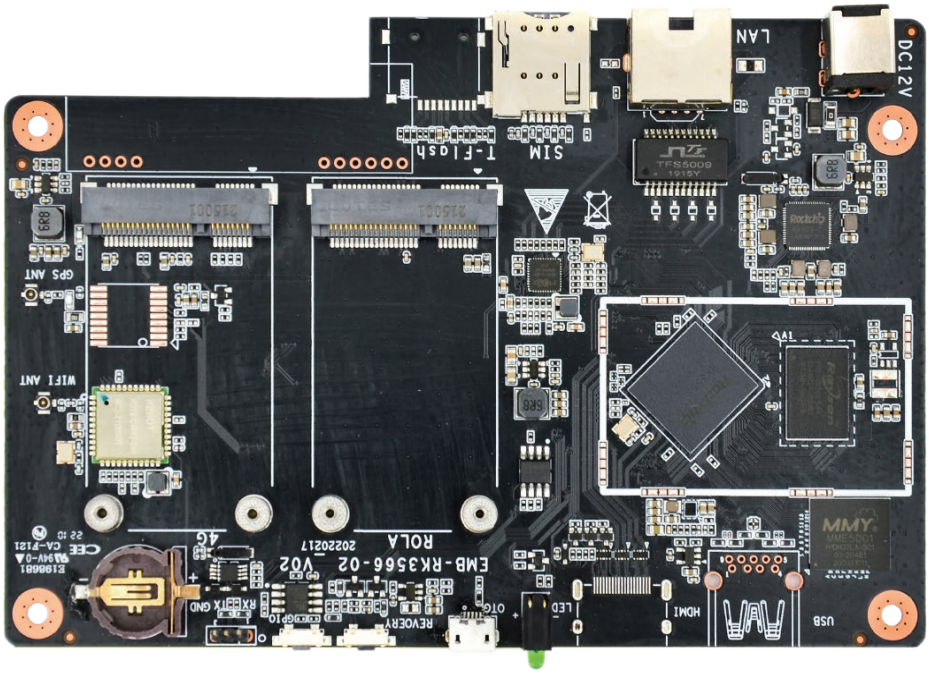
EMB-RK3566-02



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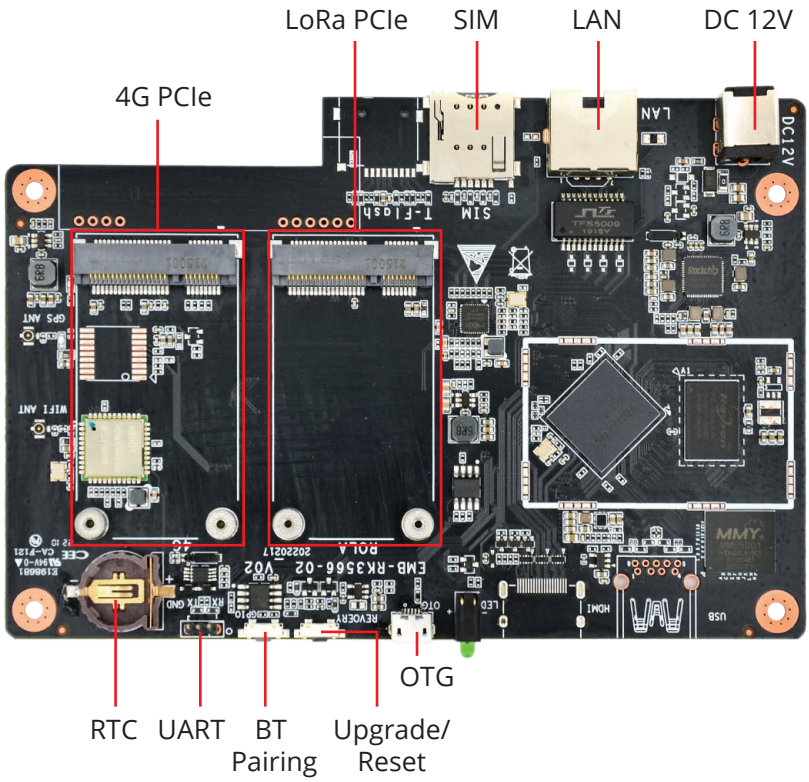
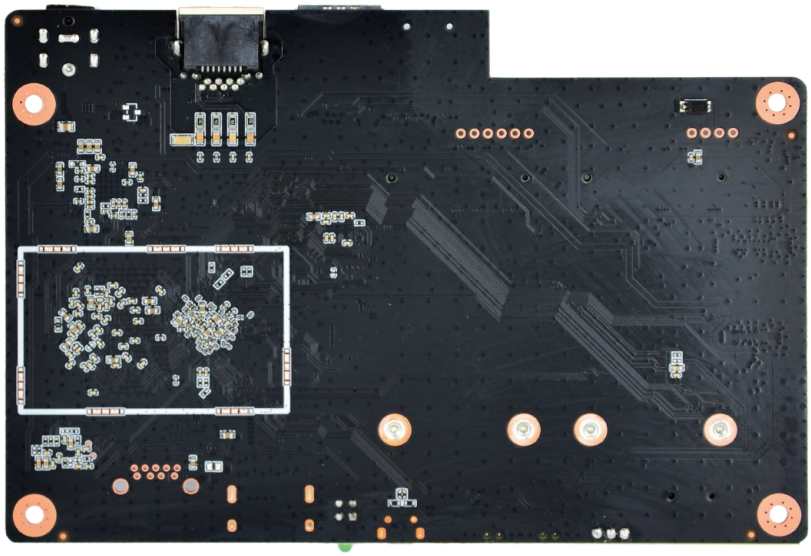
EMB-RK3566-02 Single Board Computer Based on Rockchip RK3566 Quad-core Cortex-A55 CPU

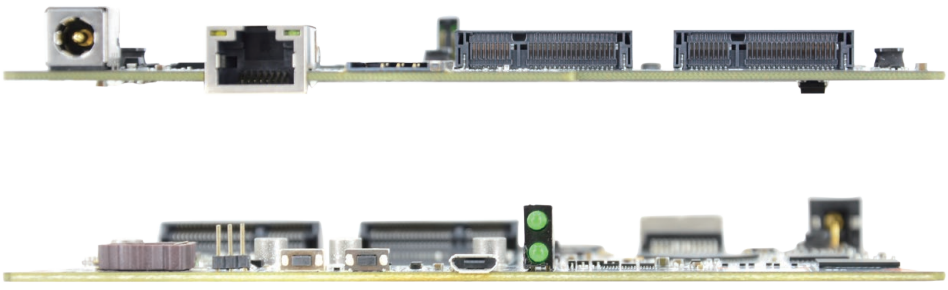




Specification:

System	
CPU	Rockchip RK3566 Quad-core ARM Cortex-A55 1.8GHz, comes with an integrated neural processing unit (NPU) that delivers up to 1.0 TOPS.
Memory	1) Default: 4GB LPDDR4 (2GB/8GB optional) 2) 2GB/4GB/8GB LPDDR4X optional
Flash	64GB eMMC (8GB/16GB/32GB/128GB/256GB optional)
OS	Android, Yocto, Debian
Communication	
RJ45	1 x 100/1000M LAN
WIFI & Bluetooth	WIFI 2.4G, BT4.2
LoRa	1 x LoRa Gateway, support 470MHz/868MHz/915MHz
4G	1 x 4G Module
GPS	1 x GPS Module
I/O Interfaces	
USB	1 x USB 3.0 (optional), 1 x Micro USB (OTG)
Serial Port	1 x TTL DEBUG
PCIe	1 x Mini PCIe (4G), 1 x Mini PCIe (LoRa)
HDMI	1 x HDMI OUT (optional)
Key	1 x Bluetooth Pairing Key, 1 x Upgrade/Reset Key
SIM Slot	1 x SIM Slot
TF Slot	1 x TF Slot (optional)
RTC	1 x RTC
Power Supply	
Power Input	1 x 12V DC IN
Mechanical	
Dimension	150mm x 102mm x 11.8mm

I/O Interfaces:



Safety Instruction and Warnings：

General：

· Avoid exposure to water, moisture, and conductive surfaces while operating.

· Handle with care to avoid mechanical or electrical damage to the circuit board and connectors.

· Only handle the board by the edges when powered on to minimize the risk of electrostatic discharge damage.

Power：

· Use only a 12V DC minimum external power supply that complies with relevant regulations and standards for your country.

Environment:

· Operate in a well-ventilated environment, even if using a case.

· Place on a stable, flat, non-conductive surface and avoid contact with conductive items.

Connections：

· Use peripherals that comply with relevant standards for the country of use and ensure proper insulation and operation.

Additional notes：

· If you are unsure about any aspect of safety or operation, consult a qualified professional.

Contact Us:

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