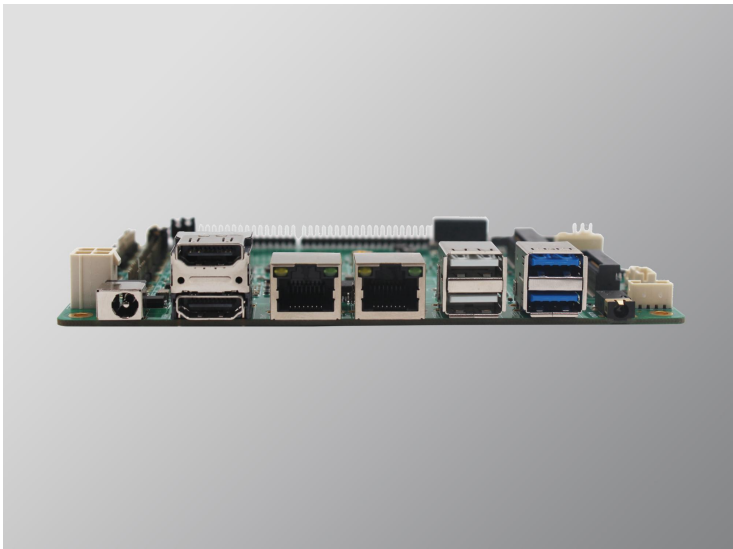


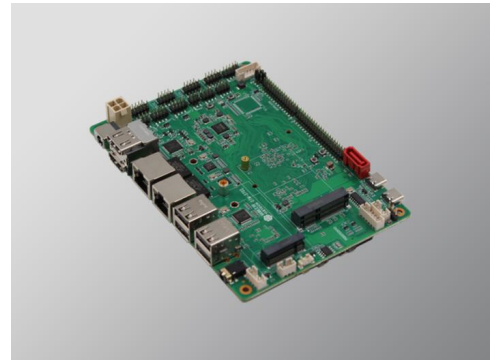
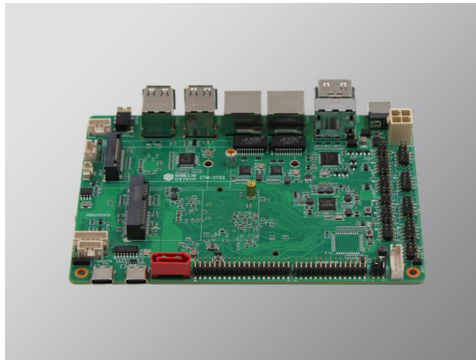
# OTM-3702

ARM Rockchip® RK3568 based Quad-Core Cortex-A55 SBC Motherboard

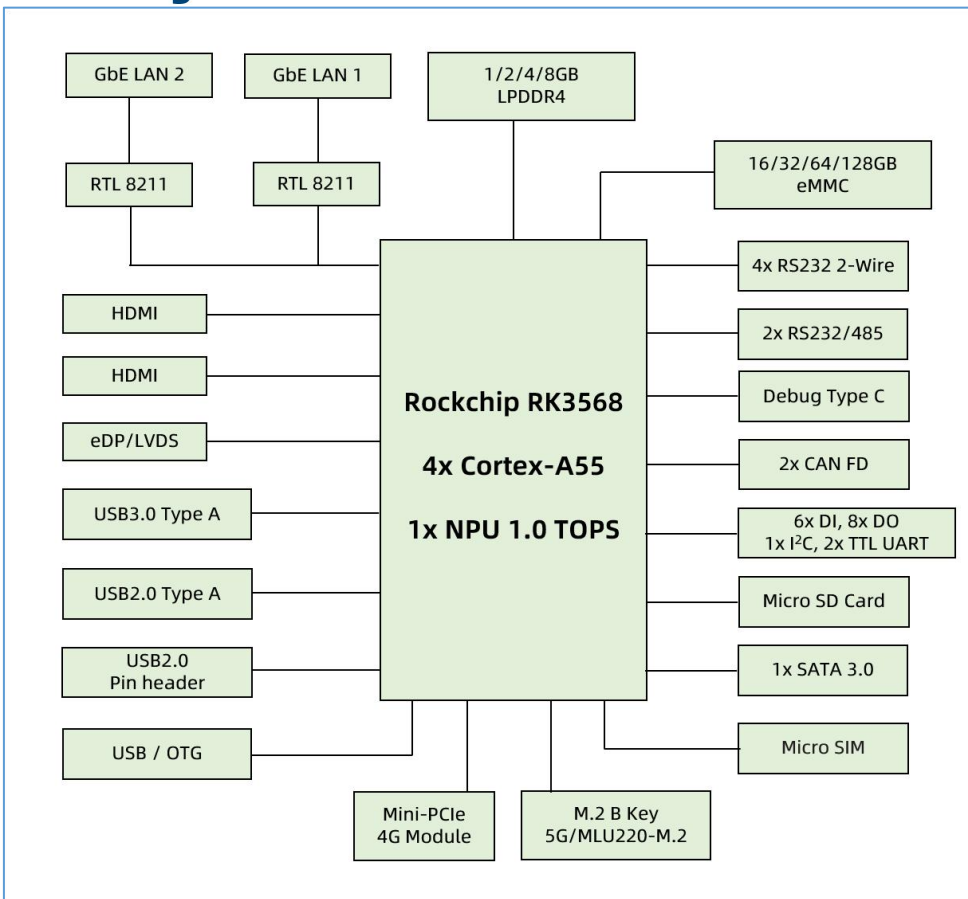


## Features:

- Rockchip RK3568 ARM Quad-Core Cortex-A55  
2.0GHz Mali-G52 GPU
- Built-in NPU, Performance up to 1.0 TOPS
- Onboard 1/2/4/8G LPDDR4 memory and  
16/32/64/128G eMMC
- 2x HDMI, LVDS/eDP. Supports Triple displays
- Dual Lan, Supports Wi-Fi / 4G / 5G modules
- 6x COM, 2x CAN FD, 6x DI, 8x DO, 2x TTL UART
- Supports Linux and Android
- Single 12V DC power input



## Block Diagram:



## OS Support:



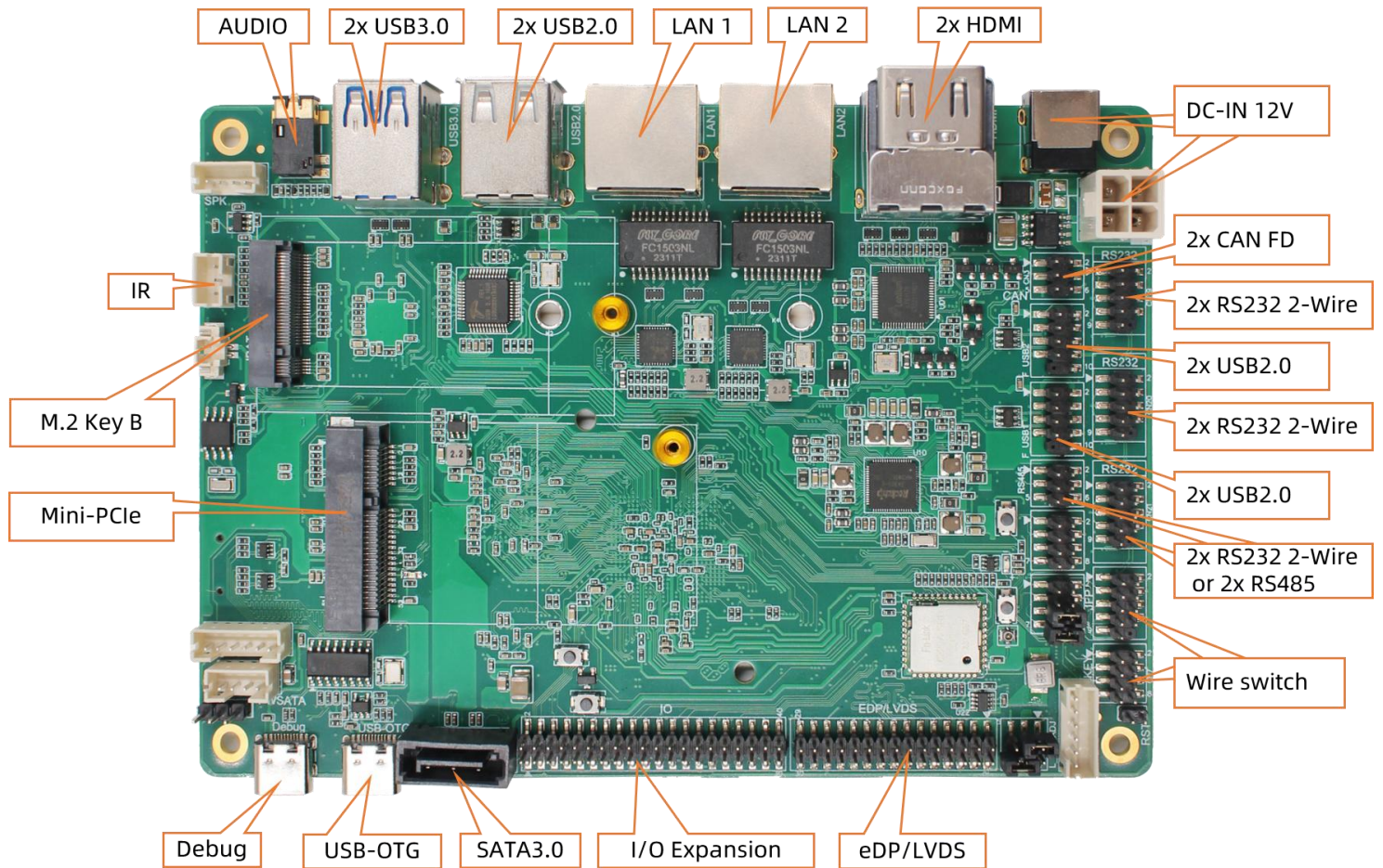
Contact Sales

Product Info

## Specifications:

<b>Processor System</b>	CPU	Rockchip RK3568 Arm Quad Cortex-A55, up to 2.0GH
	NPU	Up to 1.0 Tops. Supports INT8/INT16 hybrid operation
<b>Memory</b>	Technology	LPDDR4 1333MHz
	capacity	On-board 1/2/4/8GB
	Flash	16/32/64/128GB of eMMC NAND flash for OS
<b>Graphics</b>	Graphic Engine	Mali-G52 Support OpenGL ES1.1/2.0/3.0-3.2, Vulkan 1.1, OpenCL 2.1
	H/W Video Codec	Decoder: 4KP60 H.265, H.264, VP9; 1080P60 VP8, VC1, MPEG-4/2/1 Encoder: 1080P60 H.264, H.265
<b>Ethernet</b>	Controller	LAN 1-2: Realtek RTL8211F
	Speed	LAN 1-2: 10/100/1000 Mbps
<b>Expansion</b>	M.2 (B Key)	1 x M.2 2280/3052 slot (5G /MLU220-M.2 8TOPS, INT8)
	Mini-PCIe	1 x Full-size Mini-PCIe slot ( Wi-Fi/4G )
	WLAN & BT	RTL8723DS, Support 2.4G Wi-Fi & BT 4.2 (optional)
	SIM slot	1 x Micro SIM
<b>Storage</b>	SATA 3.0	1
	SD Socket	1 x Micro SD slot
<b>Rear I/O</b>	Display	2x HDMI, LVDS/eDP
	RJ-45	2
	USB	2x USB3.0, 2x USB2.0
	Audio	Mic-in & Line-out in one 3.5mm TRRS jack
<b>Internal Connector</b>	USB	1x USB-OTG by Type-C 4x USB2.0 pin header
	Serial Port	4x RS232 2-Wire via pin header 2x RS232/485 (RS232 2-Wire) via pin header (Jumper Control) 1x Debug by Type-C
	CAN	2x CAN FD
	40 pin I/O header	1x I <sup>2</sup> C, 6x DI, 8x DO, 3x AI, 2x TTL UART via a pin header
	Control & LED Indicators	1x RST Button, 1x ON/OFF Button, 1x Maskrom Button 1x Power ON, 1x RST, 1x POWER LED, 1x HDD LED via pin header
<b>Power</b>	Power Supply Voltage	DC 12V Input
	Power Type	DC-in / ATX-4Pin
	output socket	1x 4Pin PW-SATA
<b>Environment</b>	Operating Temp.	0 ~ 60 °C (32 ~ 140 °F)
	Operating Humidity	5 ~ 95% relative humidity, non-condensing
<b>Other</b>	OS	Ubuntu 18.04, Android 11
	Dimensions	146 x 101 mm

## I/O Interfaces:



## Ordering Information:

Part Number	Product Name	Description

## Packing List:

Part Number	Description
	1x OTM-3702 Unit
OTSATAL500NE00	1x ROHS SATA 7Pin L=500MM

## Option Items:

Part Number	Description
	4G Module
	5G Module
	RTL8723DS, Support 2.4G Wi-Fi & BT 4.2