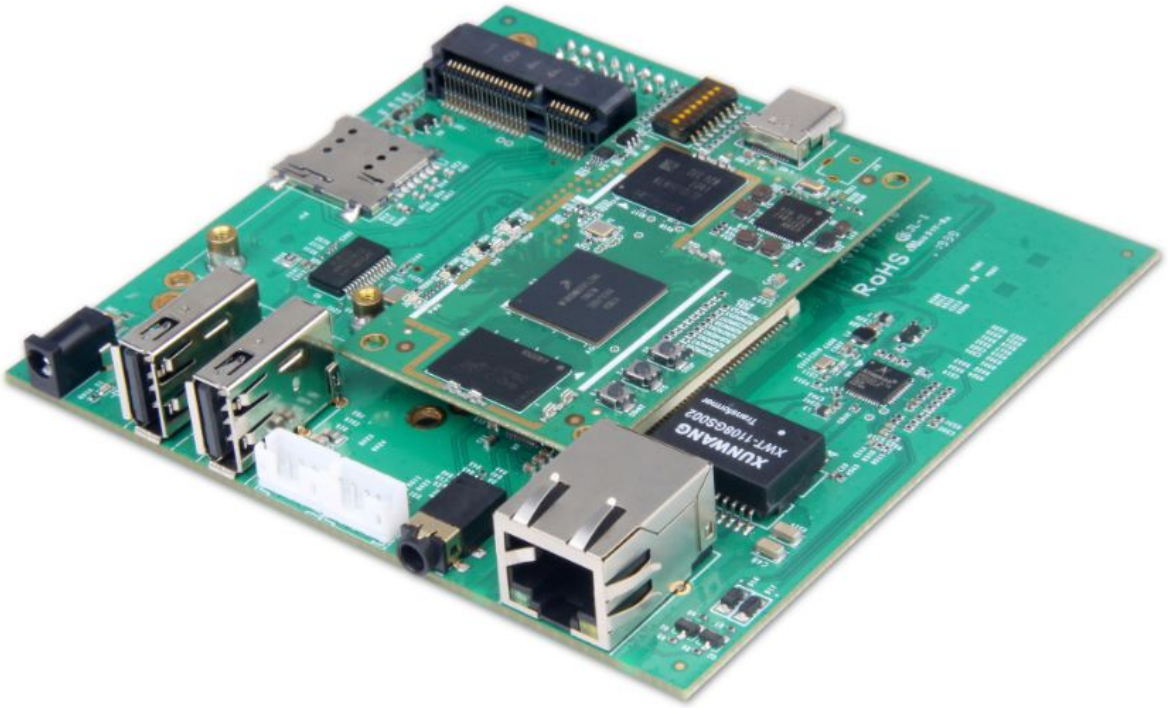
System On Module

DB-N8MM(i.MX8MMini)

Geniatech



Processor advantage

Open source, chip series, first-class stability. etc.

Bright spot functions

Compact size, low power consumption, expandable peripheral interface

System supports

Andriod
Linux(Yocto,Ubuntu,Debian)
Free RTOS(For M4 Core)

Advanced security

Data encryption, high security level

Customizable

Customizable hardware interface functions, board functions.
Structure of the custom.

Wide operating temperature

Commercial grade operating temperature: 0℃ to +70℃
Industrial grade operating temperature: -40℃ to +85℃

Applications

Mobile Kiosks/POCs,Video streaming, voice, audio streaming,and immersive audio, and the smart home

Enterprise service

Provide comprehensive quality assurance, after-sales service and technical support

Product Specification

Processor	i.MX 8M Mini Quad ARM Cortex-A53&Cortex M4
Memory/Storage	2GB LPDDR4(1-4GB optional) 8GB eMMC5.1(8-128GB optional)
Connectivity	Dual band Wi-Fi 5 2×2 Bluetooth 4.1 BLE
Peripheral	USB*2 Key*3 TF slot*1 SIM slot*1 DIP switch*1 Type C*1 Audeo*1 Ethernet*1 PCIe*1 LoRa*2
Indicator	Light LED*4
OS-support	Linux(Yocto) Android
Expansion connector	**●2x 80 pin High-Speed connector** Uart*4,IIC*4,MIPI DSI*1,MIPI CSI*1,PCIe*1,SPI*2,USB*1,GPIO*18 SAI*2,Eth*1,Audeo*1 **●1x40 pin Mezznine boards High-Speed connector** MIPI CSI*1,MIPI DSI*1,USB*1,IIC*2 **●1x20 pin Mezznine boards Low-Speed connector** Uart*2,IIC*1,GPIO*13,SPI*1 **● GT-IoT connectpr** LoRaZ-Wave,ZigBee,BLE,etc
Size (mm)	70 x 40
Operating Temperature	0°C to +70°C(Standard) -40°C to +85°C(optional)
Net Weight (g)	15
Power	5V

Geniatech
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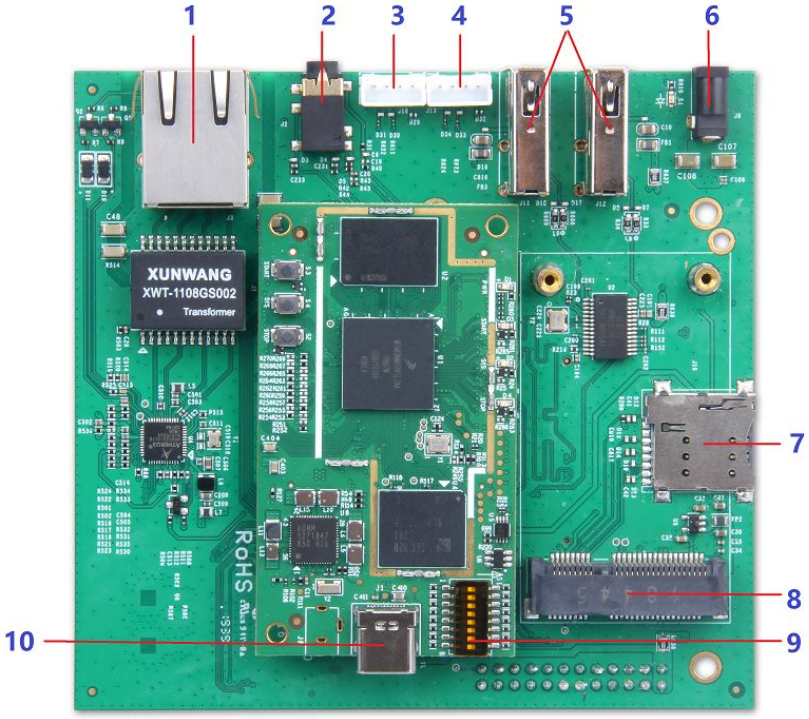
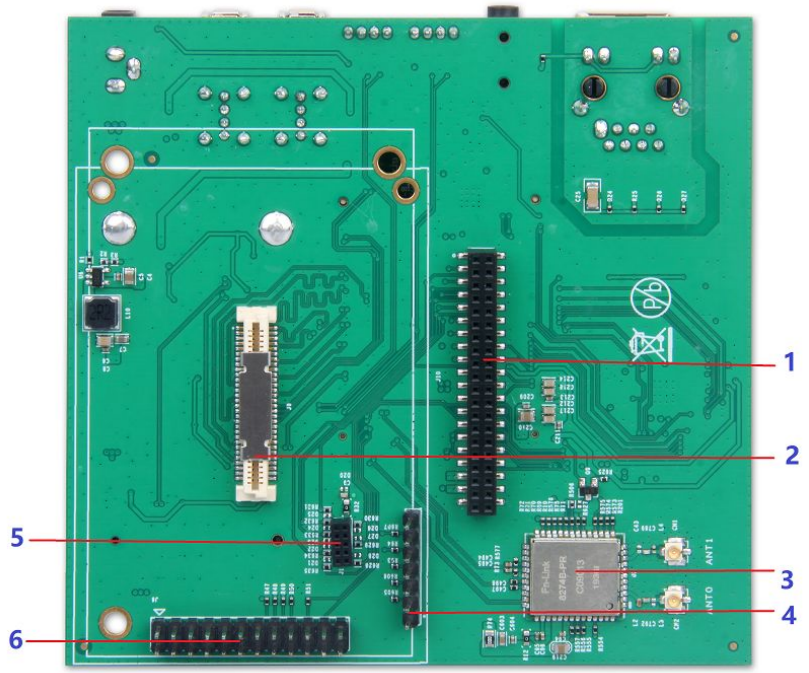
Quick manual

Top



1	1000 M Ethernet
2	Audio Jack
3	UART For A53 Debug
4	UART For M4 Debug
5	USB Type A
6	Power Supply
7	SIM Slot
8	Mini-PCIe(LTE)
9	Switch
10	USB Type C

Bottom



96Boards CE standard	
1	40 PIN Low speed connector
2	60 PIN High speed connector
3	Wi-Fi 5 & BT
4	SPI Connector
5	GT-IoT(Geniatech IoT interface)
6	LoRa Interface