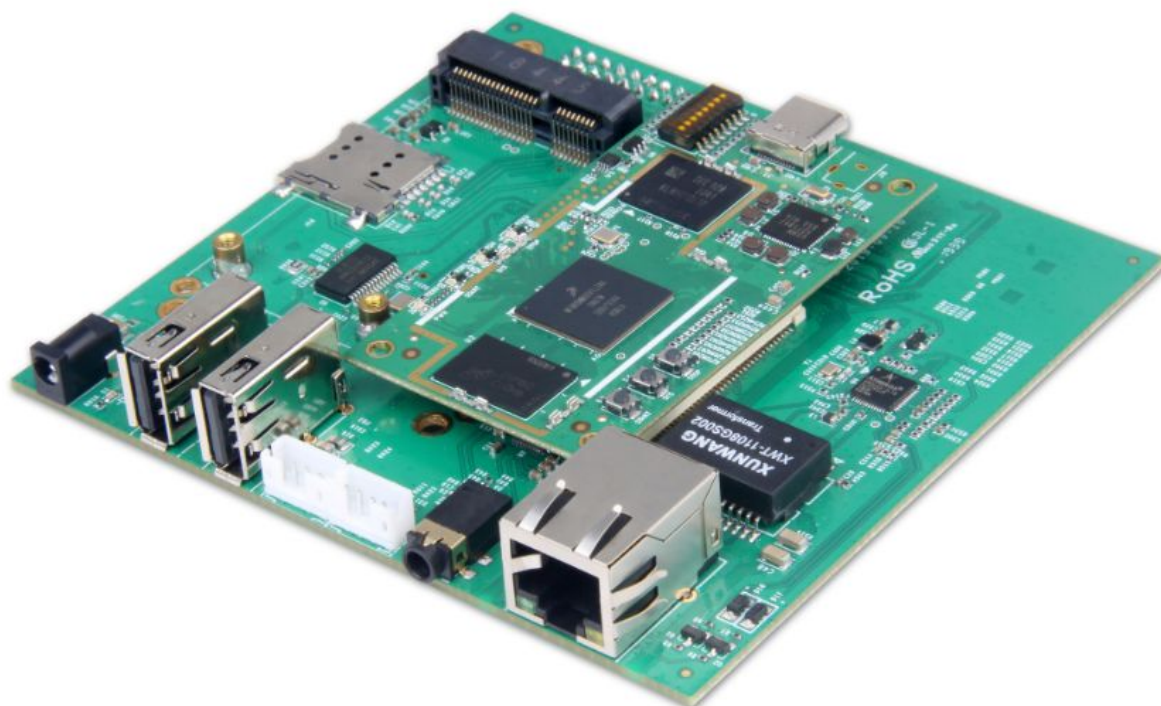


Development Board

DB-810 (i.MX8MMini)

Geniatech



Processor advantage

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

System supports

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

Customizable

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

Applications

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

Bright spot functions

Compact size, low power consumption, expandable peripheral interface

Advanced security

Data encryption, high security level

Wide operating temperature

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

Enterprise service

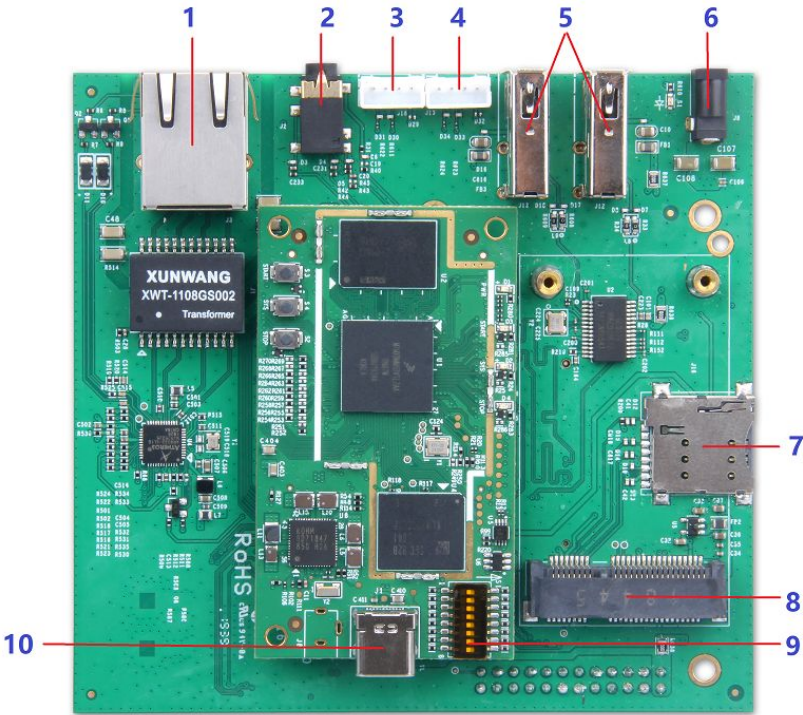
Provide comprehensive quality assurance, after-sales service and technical support



Processor	i.MX 8M Mini Quad ARM Cortex-A53&Cortex M4
Memory/Storage	GB LPDDR4(1-4GB optional) 8GB eMMC5.1(8-128GB optional)
Connectivity	Dual band Wi-Fi 5 2x2 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	LightLED*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

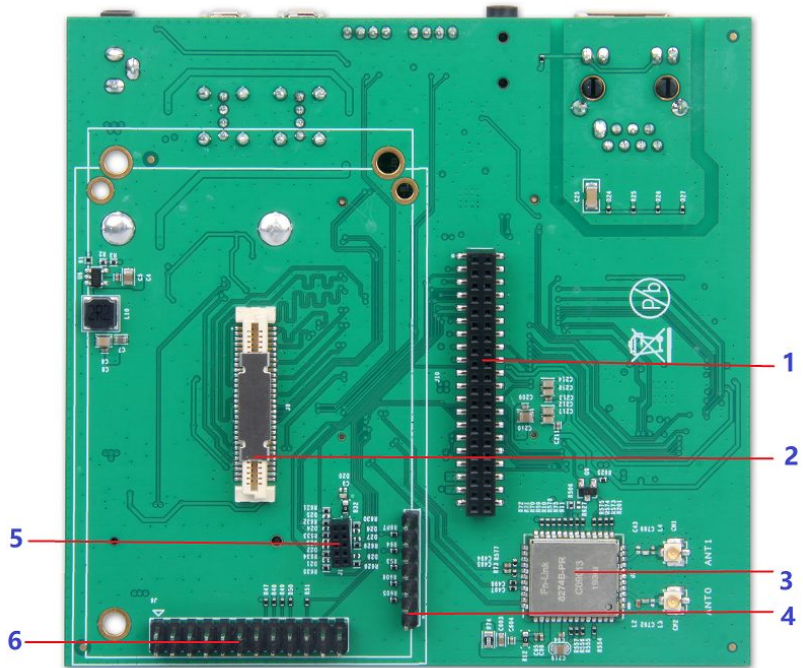
Quick manual

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-PCle(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