

**Processor**

NXP i.MX8m mini and its family

**System supports**

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

**Customizable**

Easy to build carrier boards via expansion slots

**Applications**

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

**Highlights**

Compact size, low power consumption, expandable peripheral interface

**Advanced security**

Data encryption, high security level

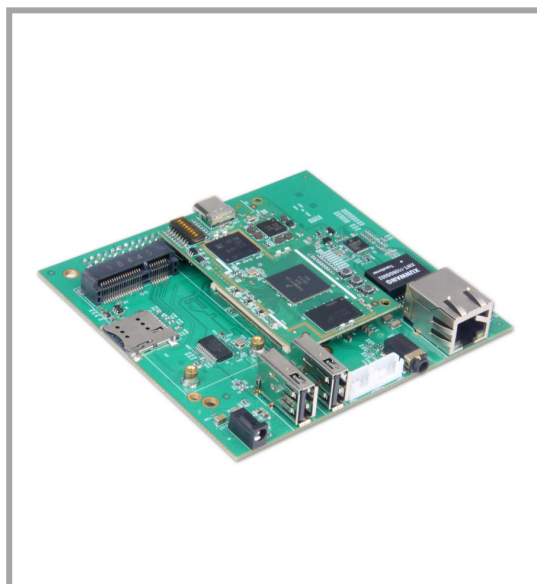
**Wide operating temperature**

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

**Lifecycle 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	1GB LPDDR4(1-4GB optional) 8GB eMMC5.1(8-128GB optional)	
Connectivity	Dual band Wi-Fi 2x2 802.11a/b/g/n/ac;Bluetooth 4.1	
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	<ul style="list-style-type: none"> <li>● <b>2x 80 pin High-Speed connector (SOM)</b> Uart*4,IIC*4,MIPI DSI*1,MIPI CSI*1,PCIe*1,SPI*2,USB*1,GPIO*18 SAI*2,Eth*1,Audeo*1</li> <li>● <b>1x40 pin Mezzanine boards High-Speed connector (Carrier board)</b> MIPI CSI*1,MIPI DSI*1,USB*1,IIC*2</li> <li>● <b>1x20 pin Mezzanine boards Low-Speed connector (carrier board)</b> Uart*2,IIC*1,GPIO*13,SPI*1</li> <li>● <b>GT-IoT connector</b> Lora,z-wave,zigbee,BLE,etc</li> </ul>	
	Power	DC +5V
	Size (mm)	100 x 160
	Operating Temperature	0°C to +70°C (optional -40°C to +85°C )
Net Weight (g)	85	
Power	5V/1A	