



RSC-IMX8M

3.5" NXP IMX8M SBC

- > NXP® i.MX8M Quad ARM Cortex A53 Quad Core Up to 1.5GHz; Cortex-M4 core processor(Default)
- > NXP® i.MX8M Dual ARM Cortex A53 Dual Core Up to 1.5GHz; Cortex-M4 core processor (optional)
- > NXP® i.MX8M QuadLite ARM Cortex A53 Quad Core Up to 1.5GHz; Cortex-M4 core processor (optional)
- > 8GB eMMC
- > 2GB Onboard DDR4 Memory (expandable up to 4GB Max)-industry(Default)
1GB Onboard DDR4 Memory (expandable up to 4GB Max)-Consumer
- > Display (HDMI / LVDS / MIPI DSI)
- > Dual GLAN
- > JTAG
- > OTG USB 3.0 Type C (Data only)
USB 3.0 Type A
USB 3.0 Pin Header
- > MIC in
Line out
Speaker out
Hand Phone out
- > Watch dog / I2C / MIPI CSI 1/2 function
- > M.2 Key E Socket (For WiFi/BT)
- > M.2 Key B Socket + SIM Socket (For LTE)
- > DC IN 12~24V
- > Industry Operating temperature : -40~85 Degree (Default)
Consumer Operating temperature : 0~85 Degree
- > OS Support Linux Yocto 3.0 (First) & Android 10 (coming soon)

Spec

System Information	
Processor	NXP® i.MX8M Quad ARM Cortex A53 Quad Core Up to 1.5GHz; Cortex-M4 core processor
System Memory	2GB RAM
Storage	
Storage	eMMC 8GB
I/O	
USB Port	OTG USB 3.0 Type C (Data only) USB 3.0 Type A USB 3.0 Pin Header
COM Port	Extend Board-1 (4 x RS232/485) Extend Board-2 (2 x RS232/485 , 1 x CAN Bus , 1 x GPIO)
External I/O Connector	1 x USB 3.0 Type A (Vertical type) 2x RJ45 connector with indicate LED Industry Version: 2pcs(Default) , Consumer Version: 1pcs 1 x HDMI connector (Vertical type) 1 x USB 3.0 Type C 1 x Micro SD socket 1 x Hand Phone 1 x Reset 1 x Power LED (Green)
Internal I/O Connector	1 x Front Panel connector 2 x MIPI CSI connector 1 x DC connector with lock Header 1 x TAG connector 1 x MIPI DSI connector 1 x LVDS connector 1 x Back Light connector 1 x I2C connector 1 x USB connector 1 x 2230 M.2 for WiFi/BT (PCIe& USB Channel) 1 x 3042 M.2 for 3G/4G Module (USB Only) 1 x SIM Socket connector 1 x 2x20P Header connector 1 x 1x2P Header (R) connector 1 x 1x2P Header (L) connector 1 x Line-Out Header with 12V out 1 x Mic-In Header connector
Display	
Multiple Display	Display (HDMI / LVDS / MIPI DSI)
Certifications	
Certification Information	CE FCC Class B
Ethernet	
LAN Chipset	LAN 1: Intel I210 LAN 2: AR8033
Ethernet Interface	2 x RJ45 Connectors for Dual Gigabit LAN Industry Version: 2pcs(Default) Consumer Version: 1pcs
Mechanical & Environmental	
Operating Temperature	Industry Operating temperature : -40~85 Degree (Default) Consumer Operating temperature : 0~85 Degree



Storage Temperature	-40°C ~ 85°C
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	0.16kg
Power Requirement	DC 12 ~ 24V Power Input
Power Mode	Terminal Block 2P power input connector
Dimension (L x W)	(146.05mm x 101.6mm)
Software Support	
OS Information	Linux Yocto Version 3.0 Android Version 10
Ordering Information	
Ordering Information	RSC-IMX8M-XXX