



## 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)
- > 16GB eMMC
- > 2GB Onboard LPDDR4 Memory (expandable up to 4GB Max)- industry(Default)
- > 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 our  
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 2.5 (First) & Android 10 (coming soon)

#### + Spec

-System Information-	
<b>Processor</b>	NXP® i.MX8M Quad ARM Cortex A53 Quad Core Up to 1.5GHz; Cortex-M4 core processor
<b>System Memory</b>	2GB RAM
Storage	
<b>Storage</b>	eMMC 16GB
I/O	
<b>USB Port</b>	OTG USB 3.0 Type C (Data only) USB 3.0 Type A USB 3.0 Pin Header
<b>COM Port</b>	Extend Board (4 x RS232/485 , 1 x GPIO)(Default)
<b>External I/O Connector</b>	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 Reset 1 x Power LED (Green)
<b>Internal I/O Connector</b>	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	
<b>Multiple Display</b>	Display (HDMI / LVDS / MIPI DSI)
Certifications	
<b>Certification Information</b>	CE FCC Class B
Ethernet	
<b>LAN Chipset</b>	LAN 1: Intel I210 LAN 2: AR8033
<b>Ethernet Interface</b>	2 x RJ45 Connectors for Dual Gigabit LAN Industry Version: 2pcs(Default) Consumer Version: 1pcs
Mechanical & Environmental	
<b>Operating Temperature</b>	Industry Operating temperature : -40~85 Degree (Default) Consumer Operating temperature : 0~85 Degree
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing



<b>Weight</b>	0.16kg
<b>Power Requirement</b>	DC 12 ~ 24V Power Input
<b>Power Mode</b>	DC Jack
<b>Dimension (L x W)</b>	(146.05mm x 101.6mm)
<b>Software Support</b>	
<b>OS Information</b>	Linux Yocto 2.5 (First) Android Version 10
<b>Ordering Information</b>	
<b>Ordering Information</b>	RSC-IMX8M-XXX