



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 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 2.5 (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 16GB |
| 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 (4 x RS232/485 , 1 x GPIO)(Default) |
| 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 | DC Jack |
| 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 |

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