



REV-SA03

SMARC Module Carrier Board for SMA-X8I

- > SMARC Module Carrier Board for SMA-X8I (SMARC 2.1)
- > Accept Avalue and Other SMARC Compatible
- > CPU Modules. (82 x 50mm)
- > Power Key / Reset Key / DC Jack
- > USB 2.0 Type A / USB 3.0 Type A / USB Type C for OTG
- > Giga Ethernet
- > Headphone
- > Mic Phone 2P Header
- > Speaker (Left/Right Channel) 2P Header
- > RTC-Battery (CR2032)
- > GPIO 16 bit
- > CAN Bus
- > M.2 Key E for WIFI/BT
- > M.2 Key B for LTE
- > M.2 Key M for Storage
- > BackLight 4P Header
- > I2C Touch Screen connector
- > MIPI DSI Screen connector for MIPI Panel
- > MIPI CSI Screen connector for MIPI Camera
- > Micro SD Socket & SIM Socket
- > Boot Switch
- > Industrial temperature : -40~85 Degree (Default)
- > OS Support Linux Yocto 3.0 (First) & Android 10 (coming soon)

Spec

I/O	
USB Port	USB 2.0 Type A / USB 3.0 Type A / USB Type C for OTG
MIO	3 x UART
External I/O Connector	1 x Power Key 1 x Reset Key 1 x DC Jack 1 x USB 2.0 Type A 1 x USB 3.0 Type A 1 x USB Type C 1 x Giga Ethernet 1 x Headphone 1 x Micro SD Socket 1 x SIM Socket
Internal I/O Connector	1 x Mic Phone 2P Header 1 x Speaker (Left/Right Channel) 2P Header 1 x RTC-Battery (CR2032) 1 x M.2 Key E for WIFI/BT 1 x M.2 Key B for LTE 1 x A53 Core Debug connector (UART) 1 x M4 Core Debug connector (UART) 1 x BackLight 4P Header 1 x I2C Touch Screen connector 1 x MIPI DSI Screen connector for MIPI Panel 1 x MIPI CSI Screen connector for MIPI Camera 1 x LVDS Screen connector 1 x M.2 Key M for Storage 1 x GPIO 16 bit 1 x CAN Bus
Audio	
Audio Codec	WM8960
Certifications	
Certification Information	CE FCC Class B
Mechanical & Environmental	
Operating Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	0.13kg
Power Requirement	12V DC-in
Power Mode	AT
Dimension (L x W)	165mm x 120mm
Ordering Information	
Ordering Information	SMA-X8I-XXX REV-SA03-XXX

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