

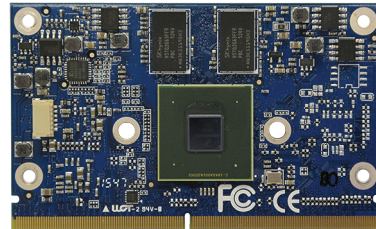
SMA-IMX6 Series

ARM SMARC Module

i.MX6 Quad/Solo Core 1 GHz SMARC Module with Standard Temperature Supported

Features

- NXP i.MX 6 Quad/Solo Core 1GHz Processor Onboard
- 1 GB DDR3L Memory
- eMMC 4 GB On-module Storage
- Supports One PCIe x1
- Optional additional Three PCIe x1, can support up to total four PCIe x1
- Supports One Gigabit LAN, optional second LAN
- Supports 2 x CAN Bus, 3 x I2C, 1 x I2S, 12 x GPIO Interfaces
- Supports Android, Linux and Yocto OS
- Cost Effectiveness SMARC Module
- Supports Standard Temperature (Commercial Temp): 0°C ~ 60°C (32°F ~ 140°F)



Specifications

System

CPU	SMA-IMX6CQ: i.MX6 Quad Core 1GHz Processor Onboard SMA-IMX6CS: i.MX6 Solo Core 1GHz Processor Onboard
Graphics	OpenGL® ES 2.0 and OpenVG™ 1.1 Hardware Accelerators & Multi-Format HD1080p Video Decoder and HD720p Video Encoder Engine
Memory	1 GB Onboard DDR3 Memory (Up to 2 GB Max)
Flash	4GB eMMC Onboard
Ethernet	Micrel® KSZ9031 Gigabit Ethernet
USB	1 x USB 2.0 Signal and 1 x USB OTG Signal
Display	1 x LVDS Interface, 1 x MIPI-DSI Interface
Image Capture Interfaces	1 x MIPI-CSI Interface
Serial Port	2 x COM Interface
Additional Interfaces	1 x Parallel LCD, 1 x Ethernet, 1 x SATA, 1 x PCIe x1 Channel, Optional 3 x PCIe x1 Channel, 1 x SPI, 2 x CAN Bus, 3 x I2C, 1 x I2S, 12 x GPIO, Module Input DC-in Power, GND Grounds

OS Support

Android	Android (Check Latest Version Online)
Linux	Ubuntu (Check Latest Version Online)
Other	Linux Yocto (Check Latest Version Online)

Mechanical & Environment

Thermal	Supports Standard Temperature (Commercial Temp): 0°C ~ 60°C (32°F ~ 140°F)
Power Supply	3V to 5.25V - Operates Directly from Single Level, Lithium Ion Cells, or Fixed 3.3V or 5V Power Supplies
Form Factor	SMARC Module
Dimensions (L) x (W)	3.23" x 1.97" (82mm x 50mm) Compliance: SMARC (Smart Mobility Architecture), Specification by SGET
Weight	0.8 oz

Ordering Info

SMA-IMX6CQ	NXP i.MX6 1GHz Quad Core Processor Onboard, 1GB DDR3L, 4GB eMMC. Support Standard Temperature
SMA-IMX6CS	NXP i.MX6 1GHz Solo Core Processor Onboard, 1GB DDR3L, 4GB eMMC. Support Standard Temperature
REV-SA01	3.5" SMARC Evaluation Carrier Board

