

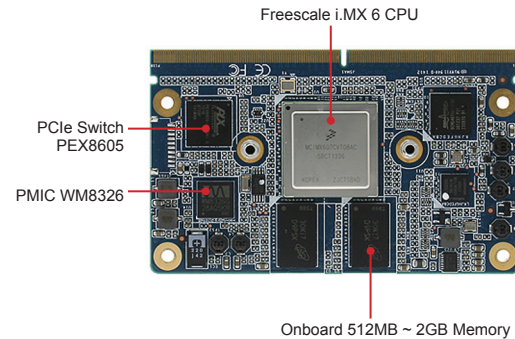
SMA-IMX6 Series

ARM SMARC Module

i.MX6 Quad/Solo Core 800 GHz SMARC Module with Extended Temperature Supported

Features

- NXP i.MX 6 Quad/Solo Core 800GHz Processor Onboard
- Wolfson WM8326 PMI
- 1 GB DDR3L
- eMMC 4 GB On-module
- Broadcom BCM54610 10/100/1000 Ethernet Transceiver
- Up to 3 PCIe1, MLB150, 12 GPIOs, SDIO, SATA, 2 SPI, 5 I2C, 1 I2S, SPDIF, WDT, 2 CAN, JTAG
- Supports Extended Temperature (Industrial Temp): -40°C ~ 85°C (-40°F ~ 185°F)



Specifications

System

CPU	SMA-IMX6QI: i.MX6 Quad Core 800GHz Processor Onboard SMA-IMX6SI: i.MX6 Solo Core 800GHz Processor Onboard
Graphics	Dual Display HD 1080p Encode and Decode 2D and 3D Acceleration
Memory	1 GB DDR3L
Flash	4 GB eMMC On-module
Ethernet	10/100/1000 Mbit/sec
USB	2 x USB 2.0 Port (One OTG)
Display	Parallel LCD 18/24-bit LVDS Single Channel 18/24-bit HDMI
Image Capture Interfaces	2 Interfaces (PCAM, CSI)
Serial Port	2 x RX/TX (Ser1/3); 2 x UART (Ser0/2)
Additional Interfaces	Up to 3 PCIe1, MLB150, 12 x GPIOs, SDIO, SATA eMMC, 2 x SPI, 5 x I2C, 1 x I2S, SPDIF, WDT, 2 x CAN, JTAG
FRAM	128Kb I2 C Interface FRAM (Optional)
OS Support	Android, Linux, Yocto

Mechanical & Environment

Thermal	Supports Extended Temperature (Industrial Temp): -40°C ~ 85°C (-40°F ~ 185°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-IMX6QI	NXP i.MX6 800GHz Quad Core Processor Onboard, 1GB DDR3L, 4GB eMMC. Supports Extended Temperature
SMA-IMX6SI	NXP i.MX6 800GHz Solo Core Processor Onboard, 1GB DDR3L, 4GB eMMC. Supports Extended Temperature
REV-SA01	3.5" SMARC Evaluation Carrier Board

* All product specifications and images are subject to change without notice.
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