

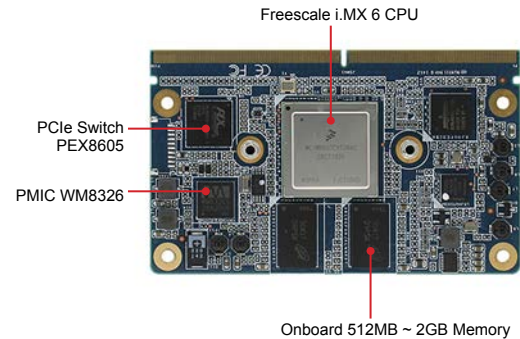
SMA-IMX6QI

ARM Platform

Freescale i.MX6 Cortex A9 Quad Core
SMARC Module

Features

- Onboard NXP i.MX 6 Quad Core Processor Onboard
- Wolfson WM8326 PMI
- 1 GB DDR3L
- eMMC 4 GB On-module
- Broadcom BCM54610 10/100/1000 Ethernet Transceiver
- Up to 3 PCIe x1, MLB150, 12 GPIOs, SDIO, SATA, 2 SPI, 5 I2C, 1 I2S, SPDIF, WDT, 2 CAN, JTAG



Specifications

System

CPU	NXP i.MX 6 ARM Cortex A9 800 MHz Quad Core 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 PCIe x1, MLB150, 12 x GPIOs, SDIO, SATA eMMC, 2 x SPI, 5 x I2C, 1 x I2S, SPDIF, WDT, 2 x CAN, JTAG
FRAM	128Kb I2C Interface FRAM (Optional)
OS Support	Android, Linux, Yocto

Mechanical & Environment

Thermal	Industrial Temperature: -40°C to 85°C
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	SMARC with NXP i.MX6 800MHz Quad Core, 1GB DDR3L, 4GB eMMC, Industrial Temperature, SATA Support, with 3 PCIe x1
REV-SA01	3.5" SMARC Evaluation Carrier Board
SMA-IMX6QI-DVA	Development kit includes one SMA-IMX6QI SMARC Module (3.23" x 1.97") and one REV-SA01 SMARC Evaluation Carrier Board in 3.5" SBC Form Factor. Cables and Power Adapter. Loaded with Android. Packed in Individual box.
SMA-IMX6QI-DVL	Development kit includes one SMA-IMX6QI SMARC Module (3.23" x 1.97") and one REV-SA01 SMARC Evaluation Carrier Board in 3.5" SBC Form Factor. Cables and Power Adapter. Loaded with Linux. Packed in Individual box.
SMA-IMX6QI-DVY	Development kit includes one SMA-IMX6QI SMARC Module (3.23" x 1.97") and one REV-SA01 SMARC Evaluation Carrier Board in 3.5" SBC Form Factor. Cables and Power Adapter. Loaded with Yocto. Packed in Individual box.

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