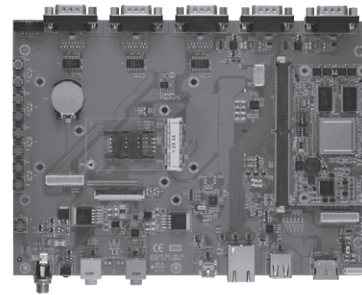
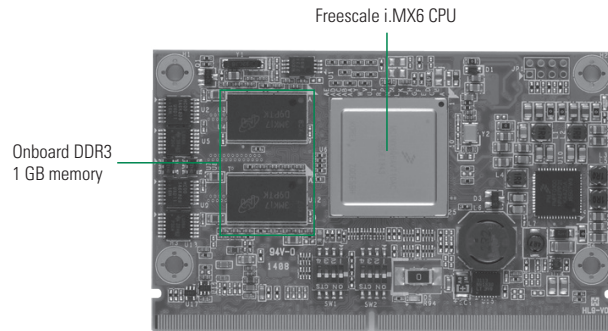


# SCM120

SMARC v1.0 SoM with Quad/DualLite 800 MHz (Industrial) SoC, 1GB Memory, 4GB eMMC, Gigabit Ethernet, Audio, CAN, MIPI and PCAM

## Features

- Ultra low power consumption Cortex™-A9
- SMARC form factor (82 x 50 mm) SoM
- 2 CAN 2.0B
- 24-bit TTL signal
- LVDS/HDMI 1080P
- 10/100/1000 Mbps Ethernet
- Linux 3.0.35/Android 4.3
- Audio



▲ SCM120-120-EVK

## Core System

Processor	Freescale i.MX6 series SoC with Quad/DualLite ARM Cortex™-A9 CPU 800 MHz
System Memory	Onboard DDR3-1600, up to 1GB
OS	Linux kernel 3.0.35, Android 4.3
Storage	eMMC flash 4GB, SDIO interface, SATA interface (Only Quad Support)
RTC	Battery on the Baseboard is required
Power Requirement	+3V ~ +5.25V
Size	82 x 50 mm
Board Thickness	1.2 mm ± 0.1 mm
Operating Temperature	-40°C ~ +85°C (-40°F ~ +185°F) (Industrial)
Operation Humidity	10% ~ 95%, non-condensing

## I/O

Graphics	1 x 24-bit TTL signal 1 x Dual channel 24-bit LVDS 1 x HDMI 1080P
Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio	Mic-in/Headphone
COM	3 x COM with TX/RX/RTS/CTS 1 x console port
USB	1 x USB 2.0 1 x OTG client
I <sup>2</sup> C	4 x I <sup>2</sup> C interface
SPI	2
CAN	2 ports
GPIO	8
PCIe	1 x PCIe
Camera	1 x MIPI v1.0, 2 x Lane 1 x PCAM 8-bit

## Ordering Information

Standard	
SCM120-DualLite-I	SCM120 with Freescale iMX6 DualLite 800 MHz (Industrial) SoC, 1GB Memory, 4GB eMMC, 1 GbE LAN, audio, and CAN
SCM120-Quad-I	SCM120 with Freescale iMX6 Quad 800 MHz (Industrial) SoC, 1GB Memory, 4GB eMMC, 10/100/1000 Mbps Ethernet, audio, CAN and SATA

Optional	
SCM120-120-EVK DualLite-I	Evaluation kit board
SCM120-120-EVK Quad-I	Evaluation kit board
P/N: 5078S120100E	SCM120 heatspread (-40°C ~ +70°C)
P/N: 5078Q120200E	Heatsink (-40°C ~ +75°C)

