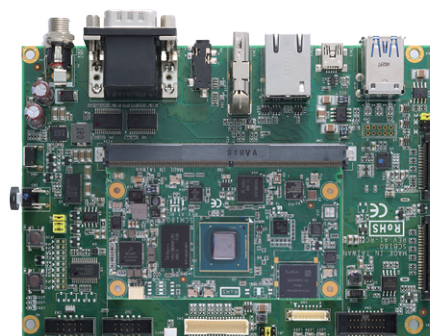


SCM180-180-EVK NEW

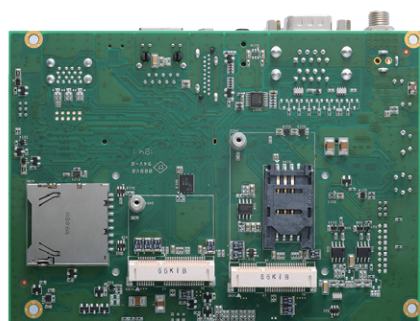
SMARC v2.0 SoM Evaluation Kit with i.MX8M Quad/Dual 1.5 GHz/1.3 GHz (Industrial) SoC, up to 4GB Memory and 64GB eMMC, CAN, MIPI CSI/DSI, HDMI 2.0

Features

- Ultra-Low Power i.MX8M Dual/Quad A53 Core
- Single M4 Core
- HDMI 2.0a up to 4K
- Dual Channel LVDS
- MIPI CSI
- 10/100/1000 Mbps Ethernet
- USB3.0, USB OTG
- PCIe 2.0
- CAN 2.0B
- Audio



▲ Top view



▲ Bottom view

Core System

Processor	Freescale i.MX8M series SoC with Quad/Dual A53
System Memory	Onboard LPDDR4 1GB 3200Mbps, up to 4GB
Operating System	Linux Kernel, Android
Storage	Onboard eMMC 8GB, up to 64GB; or SD Card
Dimensions	146 x 104 mm
Board Thickness	1.6mm ± 0.1 mm
Power Requirement	+12V ± 5%
Operating Temperature	0°C to +85°C (32°F to +185°F) (commercial) -40°C to +85°C (-40°F to +185°F) (industrial)

I/O

Graphics	1 x HDMI 2.0a 1 x Dual Channel 24-bit LVDS
Ethernet	1 x 10/100/1000 Mbps Ethernet
Audio	1 Audio Line Out
USB	2 x USB 3.0, 1 x OTG Client and 1 x Host
COM	2 Male DB9 COM Ports, 10P Internal COM with RX/TX
I ² C	3 x I ² C interface
SPI	16 Mbit SPI NOR Flash, 256 Mbit QSPI NOR Flash
Keypad	2 Button-detect Circuit
Storage	1 x SD/MMC Socket
Touch	4-wire Touch Screen Controller
Mini Card	1 x Full Size (with SIM), 1x Half Size
Extension Slot	20-pin Connector with I2C/SPI/GPIO
CAN	10P Internal connector for 2 x CAN 2.0B
MIPI	2 x MIPI CSI-2 (2 and 4 data lanes)

Ordering Information

Standard	
SCM180-180-EVK-Dual	SCM180-Dual Evaluation kit board
SCM180-180-EVK-Quad	SCM180-Quad Evaluation kit board
Optional	
7118S180000E	SCM180 Heatsink
7128S180000E	SCM180 Heatspreader