

SMARC-EVK1

SMARC Development Kit

NEW



Features

- RM-F600-SMC: i.MX6 Dual-Lite SMARC module
- RP-100-SMC: carrier board with rich I/O
- 7" (800 x 480) capacitive touch panel
- Supports 1080p Encode/ Decode
- Supports HDMI, I2C, SPI, GPIO/ Mini PCIe/ USB/ Gb LAN/ Audio/ COM port
- WIFI/BT/3G/GPS modules (option)
- Android 4.3/ or Linux kernel 3.0 (Ubuntu11.10) preload in eMMC

Specifications

System Mainboard	RM-F600-SMC + RP-100-SMC
CPU	Freescaler i.MX6 Dual-Lite 1GHz
Memory	DDR3 1GB on board
Display	7" (800 x 480) capacitive touch panel
Graphics	1080p hardware encode/decode OpenGL ES 2.0 and OpenVG 1.1 hardware accelerators
Storage	1x 4Gb eMMC on board 1x Micro-SD socket (up to 32GB)
Internal Header/ Connectors	1x 18/24-bit parallel LCD header 1x 18/24 bit dual CH LVDS box header 2x CAN bus 2.0B connectors 1x LCD DDC (I2C) 1x LCD backlight connector 1x CSI-MIPI 2x USB 2.0 host 8x GPIO 3x COM port box header 1x Debug port header 1x Mini PCIe with USB 1x SIM socket 1x Resistive touch header (4-wires) 1x Speakers box header Slot/ Socket: 1x Full size Mini PCIe with USB interface 1x SD socket (up to 32GB)
Edge I/O	1x Gb LAN 1x headphone + MIC_In 2x USB 1x USB OTG 1x HDMI 1x COM (RS232/422/485) 1x DC-in jack
Jumpers, Switch & Buttons	1x Boot media select switch (SD/eMMC) 1x Reset button 1x Power button 1x GPI button 1x (RS232/422/485) selection jumper 1x Backlight power (5/12V) jumper

Chassis Color	Black
Power Supply	100-240V AC to 12V 5A DC adaptor
Dimensions	450mm x 350mm x 170mm
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F)
Storage Temperature	-20° ~ 80°C (-4°F ~ 176°F)
Relative Humidity	5~90% @ 45°C, (non-condensing)

Ordering Information

SMARC-EVK1	SMARC(RM-F600-SMC) & Carrier Board (RP-100-SMC), 7" PCT touch panel, AC adaptor, cable kits, recovery SD card, BSP DVD; (Preload Android/ Linux by order)
SMARC-EVK1-F	SMARC-EVK1 + 500M pixel camera + "3G, WIFI, BT solutions (Preload Android/ Linux, specify when ordering)

