



## SMA-IMX6

### Freescale i.MX6 SMARC Module



- > Onboard Freescale i.MX 6 Solo/Dual Lite/Dual/Quad CPU  
Up to 1.2GHz
- > Wolfson WM8326 PMIC
- > DDR3L 512MB ~ 2GB
- > eMMC 4GB ~ 64GB
- > Broadcom BCM54610 10/100/1000
- > Up to 3 PCIe1, MLB150, 12 GPIOs, SDIO,SATA, 3 SPI, 3 I2C, 1 I2S, SPDIF, WDT, 2 CAN,JTAG

#### + Spec

System	
<b>Processor</b>	Freescale i.MX 6 Solo 800M Hz Freescale i.MX 6 Quad Core 1.0G Hz , Optional Quad core 1.2G Hz
<b>System Memory</b>	4 x DDR3-1600 128Mx16 FBGA96(9x14) MICRON 1G 4 x DDR3L-1600 128Mx16 FBGA96(9x14) MICRON 2G
Storage	
<b>Storage</b>	eMMC 4GB ~ 64GB
I/O	
<b>USB</b>	2 x USB 2.0 Port (One OTG)
<b>COM Port</b>	2 x RX/TX (Ser1/3) 2 x UART (Ser0/2)
<b>Other</b>	3 x PCIe1 1 x MLB150 12 x GPIOs 1 x SDIO 1 x SATA eMMC 2 x SPI 3 x I2C 3 x I2S 1 x SPDIF 1 x WDT 2 x CAN 1 x JTAG
Display	
<b>Chipset</b>	Dual Display HD 1080p Encode and Decode 2D and 3D Acceleration
Mechanical & Environmental	
<b>Power Requirement</b>	3V to 5.25V - Operates Directly from Single Level Lithium Ion Cells, or Fixed 3.3V or 5V Power Supplies
<b>Operating Temp</b>	Commercial Temperature: 0°C ~ 60°C (32°F ~ 140°F) Industrial Temperature: -40°C ~ 85°C (-40°F ~ 185°F)
<b>Storage Temp</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimension (L x W)</b>	(82mm x 50mm)
<b>Weight</b>	0.06kg
Certifications	
<b>Certification Information</b>	CE FCC Class B
Software Support	
<b>OS Information</b>	Android 4.4.2 Ubuntu 12.04 Yocto 1.5.1

#### + Ordering

SMA-IMX6SI-B1R  
SMARCTM with Freescale i.MX 6 Solo 800MHz Single Core, 1GB DDR3L, 4GB eMMC, Industrial Temperature, No SATA Support, with PCIe1

SMA-IMX6QI-A1R  
SMARCTM with Freescale i.MX 6 1GHz Quad Core, 1GB DDR3L, 4GB eMMC, Industrial Temperature, SATA Support, with 3 PCIe1