



## SMA-IMX6 E1

### NXP i.MX6 SMARC Module Ver. E1



- > Onboard NXP i.MX 6 Dual/Quad CPU 800MHz
- > New NXP MMPF0100 PMIC
- > New Microchip KSZ9031 LAN IC
- > DDR3L 2GB / 1GB(by option)
- > eMMC 8GB
- > Up to 3 PCIe1, MLB150, 12 GPIOs, SDIO,SATA, 3 SPI, 3 I2C, 1 I2S, SPDIF, WDT, 2 CAN,JTAG

**+ Spec**

-System Information-	
<b>Processor</b>	NXP i.MX 6 Dual 800M Hz NXP i.MX 6 Quad 800M Hz
<b>System Memory</b>	4 x DDR3L-1600 128Mx16 FBGA96(9x14) 2G
Storage	
<b>Storage</b>	eMMC 8GB
I/O	
<b>USB Port</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>Graphic Chipset</b>	Dual Display HD 1080p Encode and Decode 2D and 3D Acceleration
Certifications	
<b>Certification Information</b>	CE FCC Class B
Mechanical & Environmental	
<b>Operating Temperature</b>	Industrial Temperature: -40°C ~ 85°C (-40°F ~ 185°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Weight</b>	0.06kg
<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>Dimension (L x W)</b>	(82mm x 50mm)
Software Support	
<b>OS Information</b>	Android 4.4.2 Yocto 2.1
Ordering Information	
<b>Ordering Information</b>	▲SMA-X6Q3EJ-E3R00 SMARCTM with NXP i.MX 6 1GHz Quad Core, 2GB DDR3L, 8GB eMMC,Industrial Temperature, SATA Support, with 3 PCIe1, PMIC : MMPF0100 (E1) ▲SMA-X6Q3EH-E3R00 SMARCTM with NXP i.MX 6 1GHz Quad Core, 1GB DDR3L, 8GB eMMC,Industrial Temperature, SATA Support, with PCIe1, PMIC : MMPF0100 (E1) ▲SMA-X6D3EH-E3R00 SMARCTM with NXP i.MX 6 1GHz Dual, 1GB DDR3L, 8GB eMMC,Industrial Temperature, SATA Support, with 3 PCIe1, PMIC : MMPF0100 (E1)