avalue Technology Inc.

SMA-IMX6 E1

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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 PCIex1, MLB150, 12 GPIOs, SDIO,SATA, 3 SPI, 3 I2C, 1 I2S, SPDIF, WDT, 2 CAN,JTAG

Spec

-System Information-	
Processor	NXP i.MX 6 Dual 800M Hz NXP i.MX 6 Quad 800M Hz
System Memory	4 x DDR3L-1600 128Mx16 FBGA96(9x14) 2G
Storage	
Storage	eMMC 8GB
I/O	
USB Port	2 x USB 2.0 Port (One OTG)
COM Port	2 x RX/TX (Ser1/3) 2 x UART (Ser0/2)
Other	3 x PCIex1 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	
Graphic Chipset	Dual Display HD 1080p Encode and Decode 2D and 3D Acceleration
Certifications	
Certification Information	CE FCC Class B
Mechanical & Environmental	
Operating Temperature	Industrial Temperature: -40°C ~ 85°C (-40°F ~ 185°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	0.06kg
Power Requirement	3V to 5.25V - Operates Directly from Single Level Lithium Ion Cells, or Fixed 3.3V or 5V Power Supplies
Dimension (L x W)	(82mm x 50mm)
Software Support	
OS Information	Android 4.4.2 Yocto 2.1
Ordering Information	
Ordering Information	▲SMA-X6QI3EJ-E3R00 SMARCTM with NXP i.MX 6 1GHz Quad Core, 2GB DDR3L, 8GB eMMC,Industrial Temperature, SATA Support, with 3 PCIex1, PMIC : MMPF0100 (E1) ▲SMA-X6QI3EH-E3R00 SMARCTM with NXP i.MX 6 1GHz Quad Core, 1GB DDR3L, 8GB eMMC,Industrial Temperature, SATA Support, with PCIex1, PMIC : MMPF0100 (E1) ▲SMA-X6DI3EH-E3R00 SMARCTM with NXP i.MX 6 1GHz Dual, 1GB DDR3L, 8GB eMMC,Industrial Temperature, SATA Support, with 3 PCIex1, PMIC : MMPF0100 (E1)

www.avalue.com.tw

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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