



RSC-IMX61

NXP i.MX6 Cortex-A9

- > NXP i.MX6 Cortex-A9 Dual Lite/Quad 1GHz CPU
- > 4GB eMMC
- > 1GB DDR3 memory
- > HDMI output with screw lock
- > SD socket
- > USB2.0 Type A x2, USB 2.0 x1 (wafer), USB OTGx1
- > Gigabit LAN with Micrel MIC2788 Ethernet PHY
- > Mini-PCle(half size)
- > 12-26V DC input, typical 19V DC input
- > Optional Powered LAN (802.3AT)
- > Optional External I/R Jack (co-design with on-board I/R sensor)

Spec

-System Information-	
Processor	NXP i.MX6 Cortex-A9 Dual lite 1Ghz Optional Quad
System Memory	DDR3 1G
I/O Chipset	1GB DDR3 (Optional 2GB)
Storage	
Storage	eMMC 4GB
I/O	
External I/O Connector	1 x USB2.0 Type A x2 (Double deck) 1 x HDMI with screw lock 1 x 10/100/1000 LAN RJ45x1, Optional Powered LAN support(IEEE 802.3at) Micro SD socket x 1 1 x Jack for I/R extender cable, co-design (Optional) with on board I/R sensor (Optional)
Internal I/O Connector	1 x USB2.0 x1 (wafer) 1 x USB OTG x1 (Mini USB connector) 1 x 2x5 GPIO connector x1 (10bit, wafer) 1 x LVDS 24bitx2 (DF13-40DP-1.25) 1 x Backlight control 1 x Line out (Audio Jack), speaker out & MIC in (wafer) 1 x Mini-PCle(half size) socket x1 (with PCIe & USB2.0 signal) 1 x I2C connector 1 x SATA connector & SATA Power(i.MX6 Quad only , Optional) 1 x Battery connector for RTC 1 x I2C for touch 1 x debug port (wafer 3pin) 1 x RS232 (wafer 5pin) 1 x CAN x1 (wafer 4pin)
Display	
Multiple Display	LVDS + HDMI
Audio	
Audio Codec	WM8962
Audio Interface	Line-out Audio Jack Mic-in Speaker-out
Certifications	
Certification Information	CE, FCC Class B
Ethernet	
LAN Chipset	KSZ9031RNX
Ethernet Interface	1 x RJ45 Connectors for Gigabit LAN
Mechanical & Environmental	
Operating Temperature	-20°C ~ 85°C
Storage Temperature	-40°C ~ 85°C
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	0.15kg
Power Requirement	12 ~ 26V DC input , 2.5mm DC Jack, typical 19V input With brownout detection or Powered LAN power in
Power Mode	AT
Dimension (L x W)	146mm x 102mm
Software Support	
OS Information	Android 4.4.2 or 6.0, Ubuntu12.04, Yocto
Ordering Information	
Ordering Information	RSC-IMX6L6D-A1R00 RSC-IMX61, i.MX6 <u>Dual Lite</u> , 1GB DDR3, 4GB eMMC, <u>DC-in</u> , I-Temperature (A1) RSC-IMX6L6P-A1R00 RSC-IMX61, i.MX6 <u>Dual Lite</u> , 1GB DDR3, 4GB eMMC, Powered LAN, I-Temperature (A1) RSC-IMX6Q6D-A1R00 RSC-IMX61, i.MX6 <u>Quad</u> , 1GB DDR3, 4GB eMMC, <u>DC-in</u> , Industrial Temperature(A1)

RSC-IMX6Q6P-A1R00
RSC-IMX61, i.MX6 Quad, 1GB DDR3, 4GB eMMC, Powered LAN, Industrial Temperature(A1)
BCC-WLAN-04R
Wi-Fi 802.11a/b/g/n/ac + Bluetooth4.1 Module with PCIe Half-Mini Card

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.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660