



## ACP-IMX6POS-B1

NXP i.MX6 Cortex-A9 SBC

- > NXP i.MX6 Cortex-A9 Quad 1GHz CPU
- > Onboard 2GB RAM
- > Onboard 8GB eMMC, up to 32GB
- > Quad(VGA+HDMI or LVDS+HDMI or VGA+LVDS)
- > 2x GLAN
- > 4x UART (COM 1&2 can be select from RS232/422/485 , COM 3&4 as pin header only RS232)
- > RS485 auto flow control
- > GPIO 16 bit
- > Watch dog function
- > Pin header 4P power input connector
- > 12~24V DC Input
- > -20~85 Degree

**+** Spec

-System Information-	
<b>Processor</b>	NXP i.MX 6 Quad Core
<b>System Memory</b>	2GB RAM
Storage	
<b>Storage</b>	eMMC 8GB
I/O	
<b>USB Port</b>	5 x USB 2.0 1 x Mini USB OTG
<b>COM Port</b>	4 x UART COM 1&2 can be select from RS232/422/485 COM 3&4 as pin header only RS232.
<b>External I/O Connector</b>	1 x USB Type A Double Deck 2 x RJ45 connector with indicate LED 1 x HDMI connector (Vertical type) 1 x Mini-USB connector 2 x DB9 male connector COM 1&2 can be select from RS232/422/485 (RS485 auto flow control) 1 x DC Jack
<b>Internal I/O Connector</b>	1 x VGA 3 x USB pin header 1 x GPIO 16bit header 1 x Dual Channel 24-bit LVDS 1 x Black Light connector 1 x Stereo Speaker-out (8 ohm 1W x 2) 1 x Mini PCIe x 1 (with USB Signal Only) 1 x SIM Socket 1 x Micro SD Socket 1 x Front Panel Connector with Power Button & Indicate 1 x 4P power input Pin header 1 x MIC Pin header 1 x I2C Pin header 1 x Debug Pin header 2 x UART Pin header JCOM 3&4 as pin header only RS232
Display	
<b>Multiple Display</b>	(VGA+HDMI or LVDS+HDMI or VGA+LVDS)
Certifications	
<b>Certification Information</b>	CE FCC Class B
Ethernet	
<b>LAN Chipset</b>	LAN 1: From i.MX6 MAC, PHY is Micrel KSZ9031RNX LAN 2: Intel I211
<b>Ethernet Interface</b>	2 x RJ45 Connectors for Dual Gigabit LAN
Power Requirement	
<b>DC Input</b>	DC 12 ~ 24V Power Input
Mechanical & Environmental	
<b>Operating Temperature</b>	-20°C ~ 85°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Weight</b>	0.16kg
<b>Power Requirement</b>	DC 12 ~ 24V Power Input
<b>Power Mode</b>	2.5mm DC Jack Pin header 4P power input connector
<b>Dimension (L x W)</b>	(175mm x 110mm)
Software Support	



<b>OS Information</b>	Yocto 2.5
<b>Ordering Information</b>	
<b>Ordering Information</b>	ACP-IMX6POS-B1R ACP-IMX6POS-B1 Rev.B1 Qual CPU, 2GB RAM, 4GB eMMC, -20 ~ 85°C BCC-WLAN-04R Wi-Fi 802.11a/b/g/n/ac + Bluetooth4.1 Module with PCI-e Half-Mini Card

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