



## Features

- Freescale i.MX6 Cortex-A9 Dual lite/Quad 1GHz CPU
- Onboard 1GB(Dual Lite) or 2GB(Quad) DDR3 SDRAM
- Onboard 4GB eMMC, up to 8GB
- Dual Display (VGA + HDMI or LVDS + HDMI)
- 1x GLAN, Optional 2nd GLAN
- 4x UART (2x RS232, 2x RS232/485)
- USB Touch Controller Penmount 6000 (5W RES)
- Freescale G Sensor MMA8451
- Cash Drawer interface (RJ11)
- 12~24V DC Input



## Specifications

### System

<b>CPU</b>	Freescale i.MX 6 Dual Lite/Quad Core
<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 ~ 8GB
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### I/O

<b>USB</b>	3 x USB 2.0 Port (1x OTG)
<b>Com Port</b>	2 x 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 1 x RJ11 Connector for Catch Drawer 2 x DB9 Male Connector 1 x DC 12V Power Input by Power DC Jack
<b>Internal I/O Connector</b>	1 x VGA (Quad Core only) 3 x USB pin header 1 x 5-wire Resistive Touch Interface 1 x Dual Channel 24-bit LVDS 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 Front Panel Connector with Power Button & Indicate LED for Power & WIFI

### Display

<b>Multiple Display</b>	LVDS + VGA (Quad Core only) LVDS + HDMI
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### Audio

<b>Chipset</b>	Wolfson WM8962
<b>Audio Interface</b>	2P Pin Header x 2 (Speaker-out R & L) (Driver Per Channel Max 2W)

### Ethernet

<b>Chipset</b>	LAN 1: From i.MX6 MAC, PHY is Micrel KSZ9031RNX LAN 2: Intel 82574L by PCIe Interface (Optional)
<b>Ethernet Interface</b>	2 x RJ45 Connectors for Dual Gigabit LAN

### Mechanical & Environmental

<b>Power Requirement</b>	DC 12 ~ 24V Power Input
<b>Power Type</b>	2.5mm DC Jack
<b>Operating Temperature</b>	0°C ~ 60°C (32°F ~ 140°F)
<b>Storage Temperature</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>	175mm x 110mm
<b>Weight</b>	0.16kg

### Certifications

<b>Certification Information</b>	CE, FCC Class B
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### Software Support

<b>OS Information</b>	Android 4.4.2, Ubuntu 12.04, Yocto 1.5.1
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## Ordering Information

- ACP-X6Q12J-A1R-00
- ACP-IMX6POS Rev.A1 Qual CPU, DDR3 2GB
- ACP-X6L12H-A1R-00
- ACP-IMX6POS Rev.A1 Dual Lite CPU, DDR3 1GB