



## Features

- Freescale i.MX6 Cortex-A9 Dual lite/Quad 1GHz CPU
- 4 ~ 8GB eMMC
- Up to 2GB DDR3 SDRAM
- Dual Display (VGA + HDMI or LVDS + HDMI)
- Dual Gigabit LAN
- Support Cash Drawer
- 12 ~ 24V DC Input
- Support UART x4
- I<sup>2</sup>C RTC ISL1208
- USB Touch Controller Penmount 6000
- Freescale G Sensor MMA8451



## Specifications

### System

<b>CPU</b>	Freescale i.MX6 Cortex-A9 Dual Lite/Quad 1GHz
<b>System Memory</b>	Onboard Up to 2GB DDR3 1066/1333 SDRAM
<b>SSD</b>	4 ~ 8GB eMMC
<b>SD Card</b>	1 x Micro SD Socket
<b>Watchdog Timer</b>	Freescale i.MX6 Build-in
<b>Expansion</b>	1 x Mini PCI Express Slot (USB Signal Only) Supported WIFI & 3.5G Module SIM Card Holder Onboard Micro SD Socket x 1 (in System Access Window Area)
<b>Touch Controller</b>	Penmount 6000
<b>RTC</b>	I <sup>2</sup> C RTC ISL1208
<b>G Sensor</b>	Freescale MMA8451

### Internal I/O

<b>USB</b>	USB x 3
<b>RS232</b>	RS232 x 2
<b>VGA</b>	VGA x 1
<b>Touch</b>	5-wire Resistive Touch Interface x 1
<b>LVDS</b>	Dual Channel 24-bit LVDS x 1
<b>Backlight</b>	LCD Backlight Control x 1
<b>Speaker</b>	Stereo Speaker-out (8 ohm 1W x 2)
<b>Mini PCIe</b>	Mini PCIe x 1 (with USB Signal Only)
<b>SIM</b>	SIM Socket x 1
<b>Front Panel</b>	Front Panel Connector with Power Button & Indicate LED for Power & WIFI

### Rear I/O

<b>USB</b>	USB Type A Double Deck x 1
<b>LAN</b>	RJ45 Connector with Indicate LED x 2
<b>HDMI</b>	HDMI Connector x 1 (Vertical Type)
<b>Mini USB</b>	Mini USB Connector x 1
<b>RJ11</b>	RJ11 Connector x 1 for Catch Drawer
<b>COM Port</b>	DB9 Male Connector x 2
<b>DC Jack</b>	DC 12V Power Input by Power DC Jack

### Audio

<b>I<sup>2</sup>S Codec</b>	Wolfson WM8962
<b>Audio Port</b>	2P Pin Header x 2 (Speaker-out R & L) (Driver Per Channel Max 1W)

### Ethernet

<b>LAN Chip</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 Type</b>	DC 12 ~ 24V Power Input
<b>Operating Temperature</b>	0°C ~ 60°C
<b>Storage Temperature</b>	-40°C ~ 85°C
<b>Operating Humidity</b>	12hrs Operation Dwell Time at 40°C/80% Relative Humidity, Non-condensing
<b>Dimensions</b>	175mm x 110mm
<b>Weight</b>	TBD

Distributed by:



## 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