















## Introduction

HIB-IMX6UL is a 3.5-inch ARM industrial motherboard based on NXP ARM Cortex-A7. Meet the specifications of 3.5-inch industrial motherboard, with the features of low power consumption, high performance, industrial grade, long supply cycle, it is a wide application product. HIB-IMX6UL is the best platform for upgrading ARM9,ARM11. With rich industrial application interfaces LVDS, RGB display interface, CAN bus, RS485 / RS232, 2x100M network ports, it can meet the applications of industrial field, IOT gateway, vehicle information processing, industrial networking, Intelligent devices, medical electronics and embedded terminals and so on.

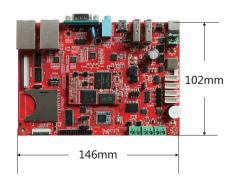
## **Feature**

- NXP ARM Cortex™-A7 i.MX6UL processor
- Onboard 512MB DDR3 memory and 8GB flash eMMC4.5 storage
- Provide LVDS、RGB display interface
- ◆ Provide 2\*LAN(100M), 2\*CANBUS、5\*USB HOST2.0、5\*RS232、 1\*RS485
- Onboard WiFi/Bluetooth combo wireless modules
- ◆ Support Linux4.1 operating system

## **Specification**

Cache  32KB I-Cache/32KB D-Cache, 128KB L2-Cache  Menory  Onboard 512MB DDR3  FLASH  Onboard 8GB eMMC4.5 storage  SD card slot  Onboard SD card slot, maximum support 32GB SD card  I/O  5*USB HOST 2.0 \ 1*USB OTG 2.0  5*RS232, 1*RS485 \ 2*CAN BUS \ 1*I2C  Button  1*reset button, 1*power on/off button  Display Interface  1*LVDS interface, with I2C touch signal port  1*24 bit RGB interface, with I2C touch signal port  1*eadphone jack. Reserve 2 speaker port on motherboard  LAN  2*100M stradrad RJ45 network ports  WIFI/BT  Onboard 1*WiFi/BT 4.0 combo modules  RTC  Support  Work Temperature: -20~60C° Humidity: 5%~90%RH@31C°,no condensation  Storage Environment  Temperature: -40~85C° Humidity: 5%-95%RH@39C°,no condensation  Power  Adopts standard DC Jack power interface, single power supply 12V, reserve 2 pin power supply interface  Buzzer  Onboard 1*buzzer  Os  Linux 4.1	CPU	Adopts NXP ARM Cortex™ -A7 i.MX6UL 528MHz processor
FLASH  Onboard 8GB eMMC4.5 storage  SD card slot  Onboard SD card slot, maximum support 32GB SD card  I/O  Interface  5*USB HOST 2.0 \ 1*USB OTG 2.0  5*RS232, 1*RS485 \ 2*CAN BUS \ 1*I2C  Button  1*reset button, 1*power on/off button  Display Interface  1*LVDS interface, with I2C touch signal port  1*24 bit RGB interface, with I2C touch signal port  Adopts WM8960 chip, onboard 1*microphone,  1*headphone jack. Reserve 2 speaker port on motherboard  LAN  2*100M stradrad RJ45 network ports  WIFI/BT  Onboard 1*WiFi/BT 4.0 combo modules  RTC  Support  Work Environment  Temperature: -20~60C° Humidity: 5%~90%RH@31C°,no condensation  Storage Environment  Humidity: 5%~95%RH@39C°,no condensation  Power  Adopts standard DC Jack power interface, single power supply 12V, reserve 2 pin power supply interface  Buzzer  Onboard 1*buzzer	Cache	32KB I-Cache/32KB D-Cache, 128KB L2-Cache
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OS Linux 4.1	Buzzer	Onboard 1*buzzer
	os	Linux 4.1

## Size



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