

# GEA-8304 Android Embedded IPC



## Features

- Industrial grade embedded IPC which design based on free scale IMX6 series platform
- Support multiple performance configuration combinations
- On board multichannel IO ports
- One side outlet design
- Aim at Android system to conduct a optimization in comprehensive and reliability
- Whole layout adopts industrial grade design and mode option

Specification		
Processor	CPU	be compatible with IMX6 whole series of CPU:Signal-core,Dual-Core,Dual-Core
RAM		Optional 2GB or 1GB,DD3,1066MHz
Network	Gigabit Ethernet	On board RJ45 port
	WIFI	support 802.11b/g/n,provide WIFI hot spot function
Hardware Monitor	Watch dog timer	0-255 seconds,offer Watch dog routine
	SSD	eMMC 4/8/16GB/32GB optional, 8 GB as standard
Storage	SD	1 channel standard SD base
	SATA	support SATA+POWER integration connector
Port	RS232/485	1 channel isolated RS232/RS485 optional,5 channel RS232, on board 2 TTL port PIN
USB	USB2.0+OTG	6 USB2.0,1 OTG
	VGA	standard VGA output
Display	LVDS	built-in 24 channel LVDS Dual Channel PIN, support two-path single channel operation
HDMI	HDMI	HDMI standard,can transmit audio,support 1080P,720P etc,support special resolution rate 1028X768 and 1366X768 etc
	Touch Screen	support various touch screen connectors including 4 wire resistance screen,I2C touch screen and USB tough screen etc
	MINI PCIE	support expansion overall MINI PCIE,support 3G/4G etc
	SIM	On board SIM card outlet
Expansion interface	GPIO	On board 32 channel GPIO PIN
	RESET	support hard reset switch
	CAN	on board 2 TTL electric level CAN connectors
Audio	Connector	standard 3.5mm MIC/earphone
	Power amplifier	optional 2w8ΩDrive,dual track output
Function button	KEYPAD	support expansion function button board
RTC clock	System clock	adopt external RTC PCF8563,accuracy requirement:error < +/-3S
Power	Power type	DC 12V input,support Power reverse and over voltage protection
		Power interface is fastener industrial grade interface
Operating Environment	Operating Temperature	-20°C -70°C
	Storage Temperature	-40°C -80°C
	Operating Humidity	0%-90% relative humidity, no condensation
	Storage Humidity	0%-90% relative humidity, no condensation
Dimension	Construction Design	integrative one side shoreline outlet pattern
	Dimension	270mmX110mm