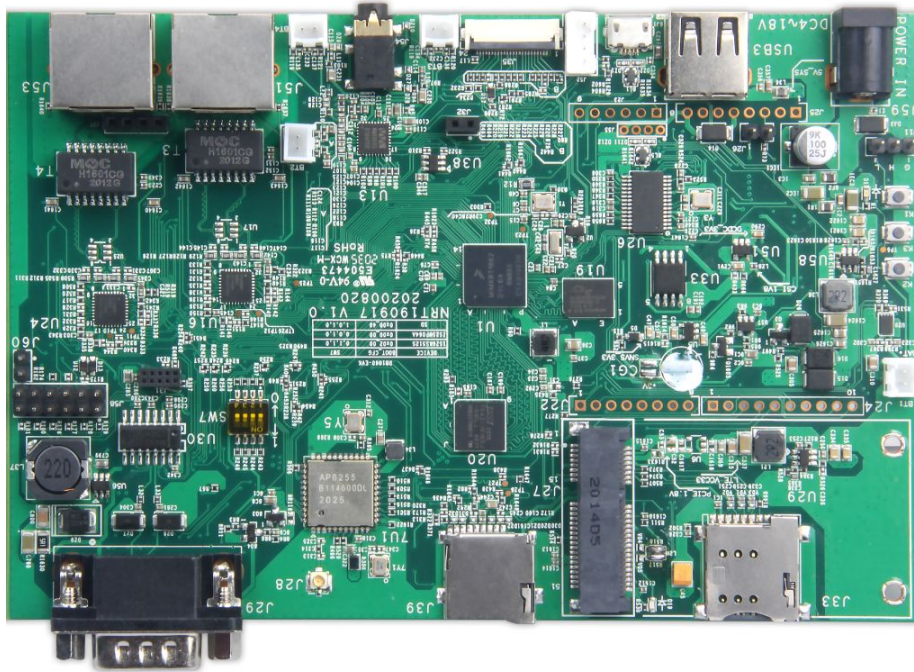


NXP i.MX RT Developer Board DB1060

Geniatech



Processor

NXP i.MX RT and its family

Support system diversification

FreeRTOS (factory default),
uCLinux, RT-Thread

Customizable

Accept various functions customization

Applications

Mobile Kiosks/POCs, Video streaming,
voice, audio streaming, and immersive
audio, and the smart home

Highlights

Low power consumption and ease of
use of microcontroller

High performance and scalability of
application processors

Advanced security

Data encryption, high security level

Wide operating temperature

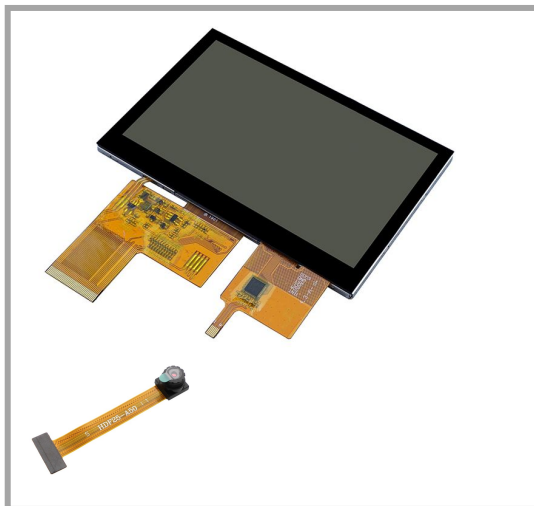
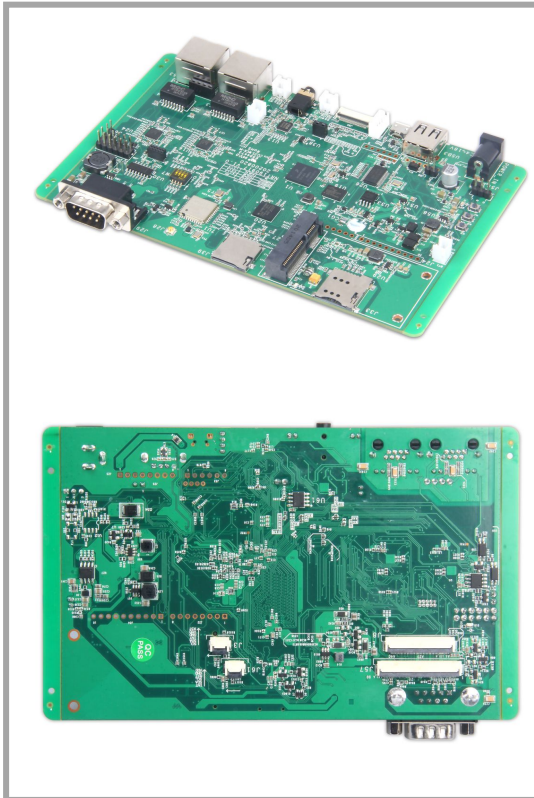
Commercial grade operating
temperature: 0°C to +95°C

Industrial grade operating
temperature: -40°C to +105°C

Enterprise service

Provide comprehensive quality
assurance, after-sales service and
technical support

Product Specification



CPU	iMX RT1062, Arm® Cortex® -M7 core 600MHz
RAM	DRAM 256 Mbit, 166MHz
Internal Storage	<ul style="list-style-type: none"> • Boot ROM (128 KB) • On-chip RAM (1 MB) • 512 KB OCRM shared between ITCM/DTCM and OCRM • Dedicate 512 KB OCRM
OS	Free RTOS
Bluetooth	4.0+EDR BLE
Built-in WiFi	802.11 a/b/g/n/ac; up to 433.3MHz
LTE	Yes (MiniPCIe Interface)
Ethernet port	RJ45 10/100/Mbps *2
Function Interface	<ul style="list-style-type: none"> RS 485/232*1 Speaker*1 Mic*1 SIM Card Slot*1 TF Slot *1 PCIe*1 Camera*1
Battery(Chargeable)	3.7V lithium battery(Optional)
USB Interface	<ul style="list-style-type: none"> USB 2.0 Host x 1; USB 2.0 OTG x 1;
Key	Reset/Pair/Power (Programmable)
PoE	Optional
Display	<ul style="list-style-type: none"> 4.3-inch RGB is touchable(Standard) 7/10-inch RGB is touchable (optiona)
Camera array size	640 x 480
Expansion connector	<ul style="list-style-type: none"> • Standard Arduino Connector • GT-IoT (LTE/LoRa/ZigBee/Z-Wave/BLE) • Arduino interface
Size (mm)	100*150
Power	+12V