

iMXRT1052/1062

- 600MHz ARM Cortex M7 processor

Memory

- 32MBytes SDRAM
- Up to 64Mbytes QSPI Flash
- EEPROM 1Mbit

Display Support

- 16Bit TFT Interface
- Capacitive Touch Support
- Resistive Touch Support
- 4.3" and 7.0" Options

Wireless

- M.2 E key allows standard SDIO Wi-Fi/Bluetooth modules
- Wi-Fi 802.11 b/g/n/ac Single and Dual band options
- Bluetooth 5.0

Ethernet 10/100 Ethernet

Audio 24bit Stereo Audio DAC and amplifier

Interfaces USB Host, USB device, SPI, UART, GPIO, PWM, CAN bus

OS Support FreeRTOS, baremetal

Temperature -40 to 85 degrees Celsius

Longevity 2030

Overview

NXP i.MX RT1052 600MHz ARM Cortex M7 running FreeRTOS providing a low cost display solution.

Offered in a 70mm x 130mm package, this solution enables high performance connected touchscreens without the complexity of Linux

Shown below with 4.3" and 7" LCDs