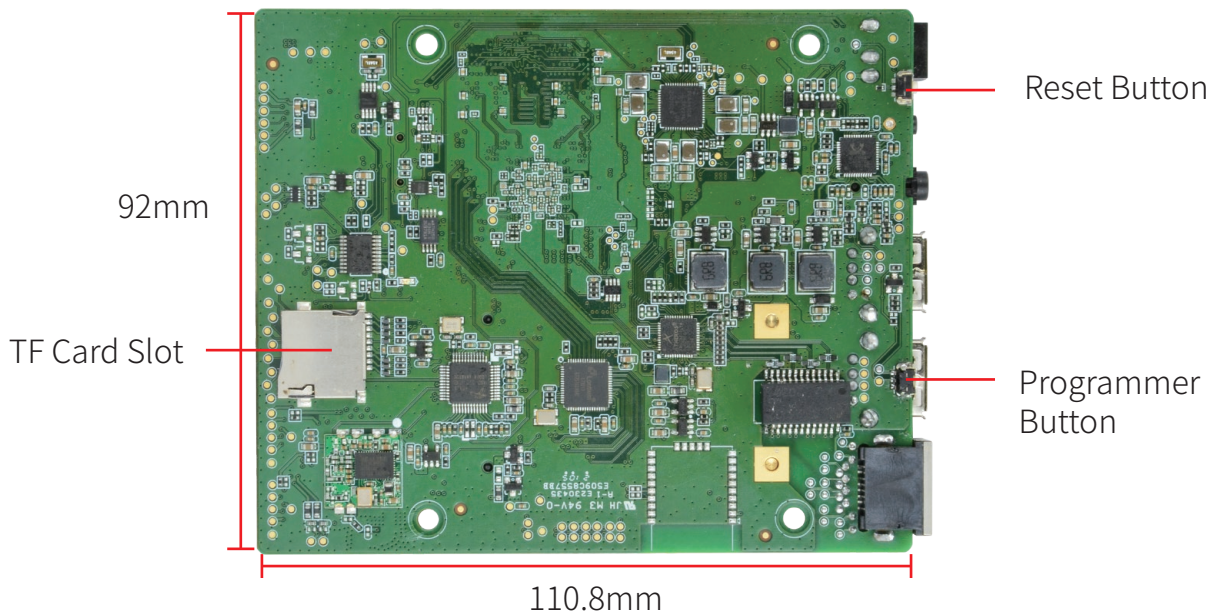
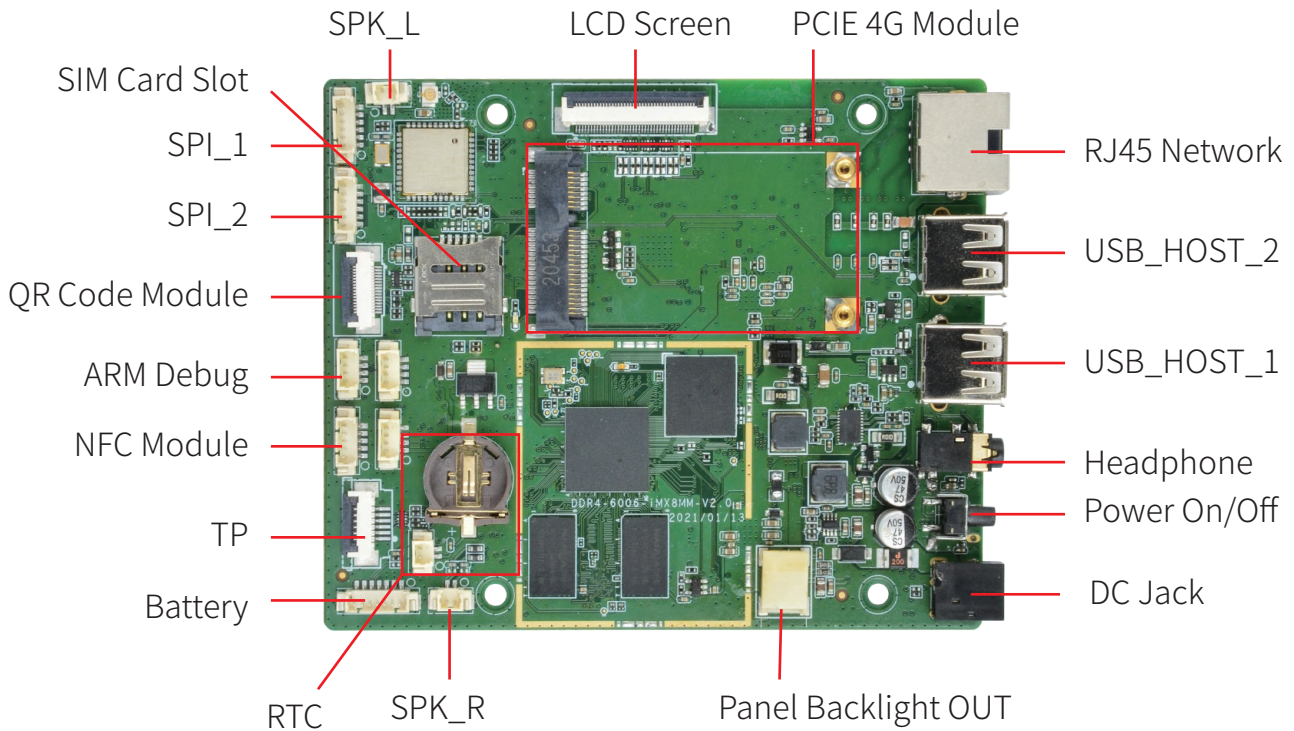




# Embedded Motherboard Based on NXP i.MX 8M Mini Cortex-A53 Quad Core CPU



## Specification:

System	
Platform	NXP ARM Platform
CPU	NXP i.MX 8M Mini 4 x Cortex-A53 processor
Memory	Onboard 1GB/2GB/4GB DDR4
Storage	Onboard 8GB eMMC (up to 256GB), 1 x TF card slot
GPU	CPU integrated Graphics
Operating System	Android 10, Linux Buildroot-2020.11-rc2
Communication	
LAN	1 x LAN, 10/100/1000Mbps
WIFI & BT	Support
Mini PCIe	1 x Mini PCIe (support 3/4G)
SIM Card Slot	1 x Micro SIM card slot
Display & Touch Panel	
Display	1 x LCD
Touch	Support
Audio	
Headphone	1 x Headphone (L&R Channel, Mic, support both 2-ring and 3-ring plug)
Speaker	1 x SPK_R 1 x SPK_L
Other Interfaces	
Debug	1 x ARM Debug
SPI	2 x SPI
UART	1 x UART (NFC module interface)
QR Code	1 x QR Code module interface
USB	2 x USB 2.0, Type-A USB_HOST_1 interface can be configured as OTG interface through software
Functions	
RTC	Support
Watchdog	Support
Power & System Control	
Power Supply	Support DC 12V~24V input Support VBAT battery
System Control	1 x Reset Switch 1 x Power Switch 1 x Update Switch
Mechanical & Environment	
Size	92 x 110.8mm
Operating Temp.	0°C~70°C
Storage Temp.	-40°C~85°C

## ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinner and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

