



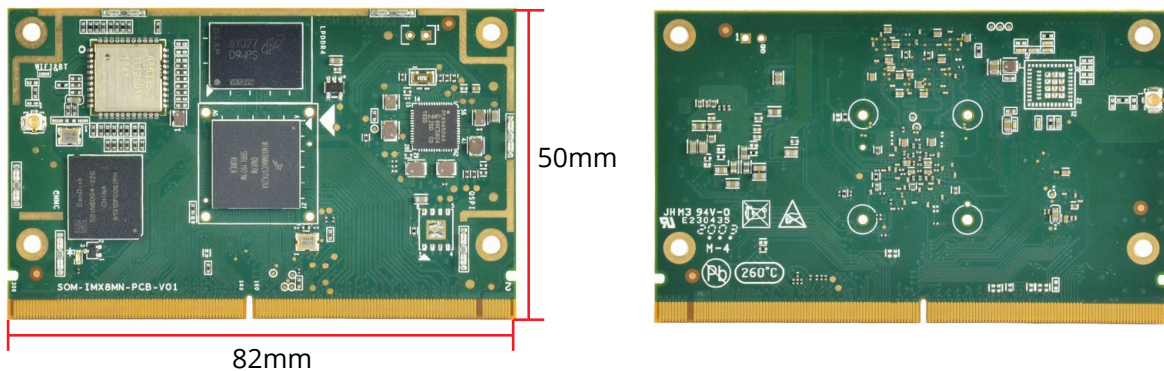
System on Module Based on NXP i.MX 8M Mini CPU

Introduction:

SOM-IMX8MN is a consumer & industrial grade core board based on NXP i.MX 8M Mini CPU, and it comes with onboard 4GB RAM and 32GB eMMC. SOM-IMX8MN supports Android 10.0 operation system and a variety of interfaces like HDMI, SPDIF, DSI, CSI, USB2.0 & USB OTG, GPIO, etc. For internet connection, it is perfectly compatible with WIFI-2.4Ghz/5Ghz, BT4.0 and 10/100/1000M LAN.

Features:

- NXP i.MX 8M Mini CPU
- Android 10.0 operating system
- Onboard 4GB RAM 2GB optional
- 32GB eMMC 8GB/16GB/64GB/128GB optional
- 10/100/1000M LAN, WIFI-2.4GHz/5GHz, BT4.0



Specification:

System	
CPU	MIMX8MM6CVTKZAA:Quad Cortex®-A53, 1.6GHz (Support Consumer&Industrial i.MX8M Mini SoloLite/Solo/DualLite/Dual/QuadLite/Quad)
Memory	Onboard 4GB LPDDR 4, Support2GB
Flash	32GB eMMC5.1, Support 8GB/16GB/64GB/128GB
OS	Android 10.0, Ubuntu 18.04 server, Yocto 2.5.2
Communication	
WIFI & BT	WIFI-2.4GHz/5GHz, BT4.0
LAN	1 x 10/100/1000M LAN Port
Connectivity	
SDIO	1 x SDIO
HDMI	1 x HDMI OUT
CSI	1 x CSI
DSI	1 x DSI
PCIe	1 x PCIe
USB	1 x USB2.0 , 1 x USB OTG
SPI	2 x SPI
QSPI	1 x QSPI
I2C	4 x I2C
UART	3 x UART
JTAG	1 x JTAG
I2S	1 x I2S
SAI	1 x SAI , 8 Channel
GPIO	16 x GPIO
SPDIF	1 x SPDIF
Physical interface	MXM3.0 (Standard 314Pin)
Power	
Power In	5VDC/2A
Mechanical	
Size	82 x 50 x 1.2mm

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.

