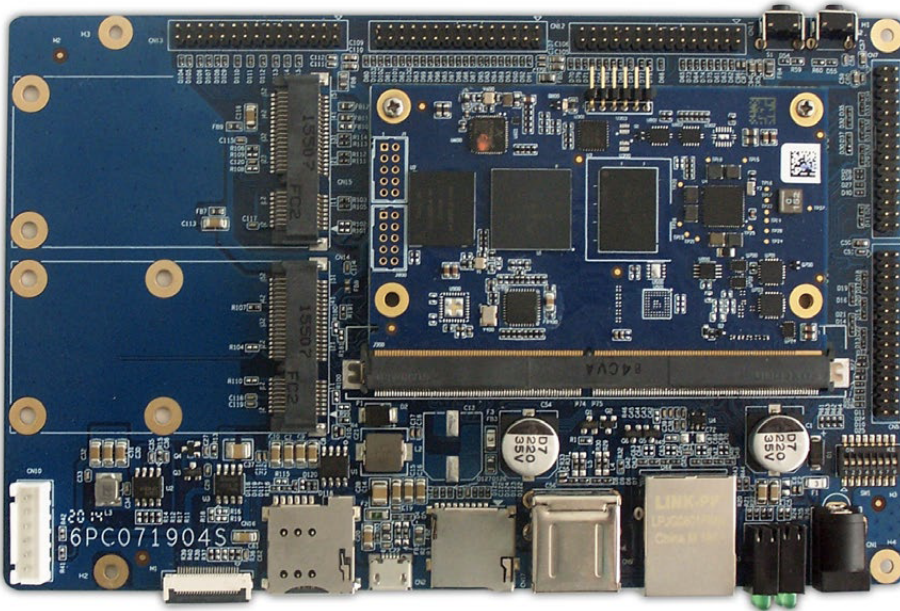


SBC MINA – i.MX8M



Processor:

NXP i.MX8M MINI Cortex™-53
Quad Core

Software:

LINUX kernel 4.14 / Yocto Sumo
/ Ubuntu 18.04



Linux

yocto
PROJECT

ubuntu

Applications

- Medical
- Automotive
- Industrial

SBC MINA - i.MX8M

MINA Single Board Computer SBC built upon the NXP i.MX8M Mini embedded multicore application processor. It's standard 3.5" and SMARC 2.0 form factor guarantees the complete modularity of the solution.

SBC MINA – i.MX8M

Principal Feature of the SBC MINA i.MX8M SOM:

CPU
CPU IMX8M Mini
CPU type Cortex™-53
Cores x 4
Core x 1 Cortex M4
CPU Clock (Max) 1800Mhz
STORAGE
8 Gbyte eMMC
MEMORY
up to 4Gbyte DDR4L
MULTIMEDIA
GC320 2D accelerator + GCNanoUltra 3D accelerator Embedded VPU (not for Lite proces-sors), able to offer:
• VP9, HEVC/H.265, AVC/H.264, VP8 HW Decoding • AVC/H.264, VP8 HW encoding
OpenGL ES 2.0, OpenVG 1.1 support

SOFTWARE SUPPORT
LINUX kernel 4.14; Yocto Sumo; Ubuntu 18.04
MECHANICAL SPECIFICATIONS
102 x 146 mm
ELECTRICAL SPECIFICATIONS
Power Supply 9-36VDC
Consumption 200mA
TEMPERATURE SPECIFICATIONS
Extended temperature (-20° a 70°)
LONGEVITY
2036

Peripherals	
uSD MMC x1	2 USB Host ports
USB Host/ device x2 2 USB Host, 1x USB OTG	2x LVDS Connector
UART x 2 RS232, 2X RS485	1x eDP Connector
I2C x1	1xuSD Connector
SPI x2	2x CAN 2.0
RTC x1 (ON CPU)	1x MIPI CSIx4 Connector
Gigabit Ethernet x 1	1xMiniPCI Connector for WiFi Wireless Module
GPIOs x36	1xMiniPCI Connector for 4G Module
1x Debug UART TTL	