



## Features

- ARM NXP i.MX 8M Mini - Arm® Cortex®-A53, Cortex-M4, up to 1.8GHz per core
- Onboard LPDDR4, Up to 8GB
- HDMI1.4b x 1, LVDS dual CH or MIPI-DSI 4 lane x 1
- GbE x 1
- USB 2.0 OTG x 1, USB 2.0 x 4
- PCIe 2.0 x 1
- UART x 4, GPIO x 12, CAN x 1, MIPI CSI x 1, TPM 2.0



Ethernet	Gigabit Ethernet x 1, RJ-45
USB	USB2.0 OTG x 1, USB2.0 x 4
ADC	I2S x 2
DI/DO	—
CAN Bus	CAN 2.0 FD x 1 (Optional)
Display	HDMI 1.4b x 1 (optional) colay LVDS x 1 (2 CH, 18/24bit) colay MIPI-DSI 4 Lane x 1 (Default)
Power Connector	—
Debug Port	Yes
Expansion Slot	PCIe 2.0 x 1 SPI x 2 I2C x 4
Other Interface	GPIO x 12 MIPI CSI 4 Lane x 1 (Optional)
<b>Power Supply</b>	
Power Requirement	DC 3.3-5.25V, AT/ATX
Power Consumption	—
MTBF (Hours)	—
<b>Environmental and Mechanical</b>	
Dimension	82 mm x 50 mm
Weight	—
Mount Options	—
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C) Optional: -40°F ~ 185°F (-40°C ~ 85°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing

## Specifications

System	
Processor	ARM NXP i.MX8M Mini Quad-core Cortex-A53 1.6GHz Processor
Memory	Onboard LPDDR4, up to 8 GB
Storage	SDIO 3.0 x 1 eMMC 16/32/64 GB (Optional)
Real Time Clock	RTC x 1
Security	TPM 2.0 (Optional)
Indicators	—
Cellular	—
Wireless Lan	—
Operating System	Debian (default) Yocto Windows IOT
Support Protocol	—
I/O Interfaces	
Serial Port	UART x 4

## Packing List

Description	Qty.
uCOM-IMX8M	1

## Optional Accessories

- TBD

## Ordering Information

- TBD