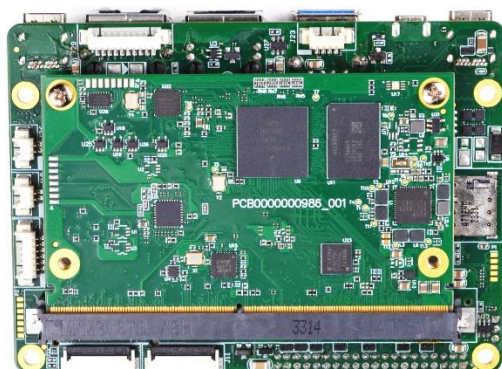![powertip Embedded Solutions logo]

P05D00107-01

NXP   i.MX8M Mini

Front View

Features

➢ High Performance, Low Power Consumption: Integrated with ARM Cortex-A53 quad-core processor, which operates at speeds of up to 1.8 GHz

➢ Single Voltage Design: Powered by a 9V–24V DC power supply

➢ Smart Application Areas: Any general-purpose industrial and IoT application

Specifications

Hardware		
CPU	i.MX8M Mini	Quad-Core ARM Cortex-A53
Memory	On Board RAM	2GB LPDDR4 SDRAM
	On Board Flash	8GB eMMC Flash
	External Storage	1 × Micro SD Card Slot
Display	Interface	1 × LVDS
Camera	Interface	1 × MIPI CSI
I/O	USB	1 × USB 2.0 OTG 2 × USB 2.0 Host
	Ethernet	10/100/1000 Mbps
	Audio	1 × Headphone Jack 1 × Speaker Connector

	Serial	2 × UART (One for Debug Used) 1 × RS232 1 × RS485 2 × I^{2}C
	Others	M.2 E key
Power Input	DC	9V ~ 24V

Software		
OS	Default	Yocto 4.0
	Optional	Android 10

Block Diagram

Dimensions