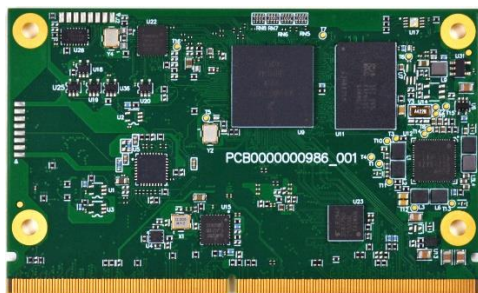


P05D00107-00

NXP i.MX8M Mini

Front View



Features

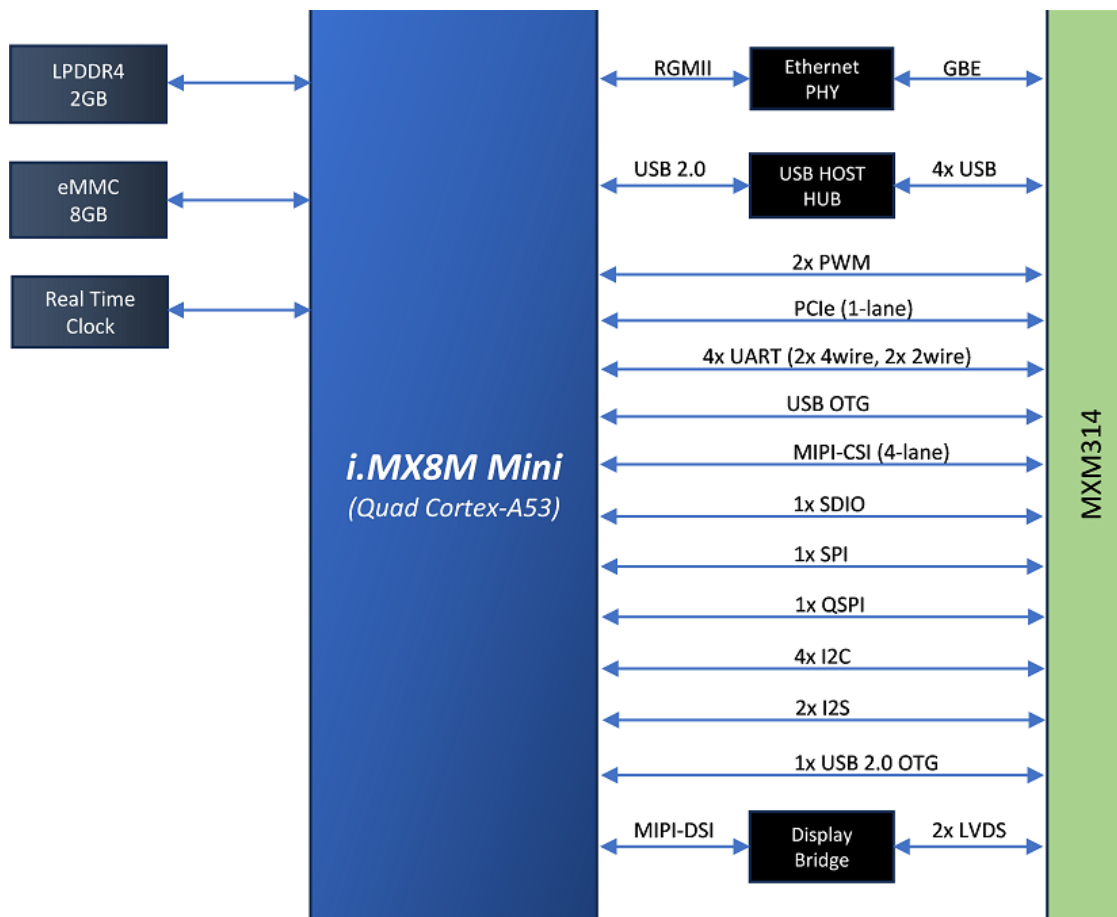
- Powered by NXP i.MX8M Mini
- Quad-core Arm Cortex-A53 + Cortex-M4 for real-time control
- SMARC form factor for compact, scalable integration
- Rugged design for industrial-grade HMI applications

Specifications

Hardware		
CPU	i.MX8M Mini	Quad-Core ARM Cortex-A53
Memory	On Board RAM	2GB LPDDR4 SDRAM
	On Board Flash (Default Boot Device)	8GB eMMC Flash
I/O	Display	LVDS (Dual Link)
	USB	1 × USB 2.0 OTG
		4 × USB 2.0 Host
	Ethernet	1 × RGMII (10/100/1000 Mbps)
	Default Peripheral (maximum)	4 × UART (SER3 for Debug Used) 4 × I ² C 2 × I ² S 2 × PWM 1 × SPI 1 × QSPI 1 × SDIO 1 × PCIe 2.0 1-lane 14 × GPIOs 1 × MIPI-CSI (4 Lane)

Software	
OS	Yocto 4.0

Block Diagram



Dimensions

