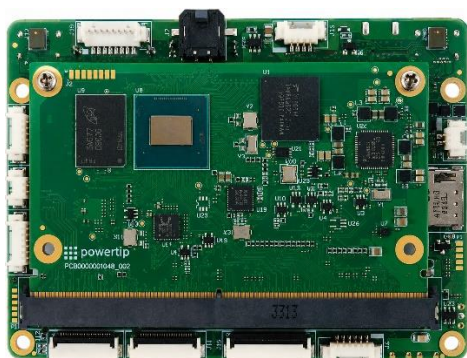


P05D00129-02

NXP i.MX8M Plus

Front View



Features

- Powerful Embedded Computing, Quad-core Arm® Cortex®-A53 architecture for efficient embedded performance
- Industrial-Grade Power Design, Wid9–24V DC input for flexible and reliable deployment
- Ready for Intelligent Edge, Optimized for IoT, automation, and smart industrial applications

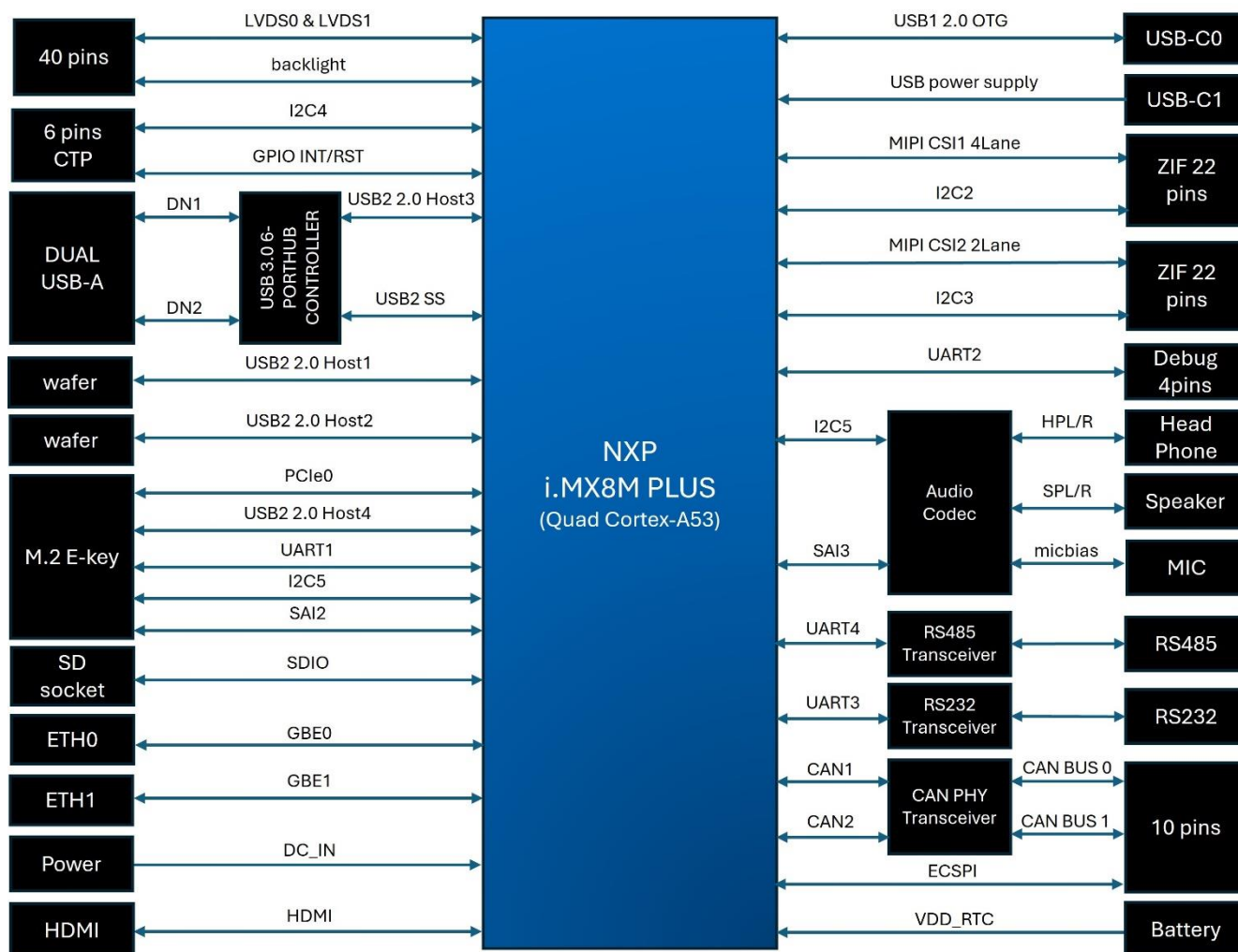
Specifications

Hardware		
CPU	i.MX8M Plus	Quad Core, 1.8GHz ARM Cortex-A53 & ARM Cortex-M7
Memory	On Board RAM	1 × 4GB LPDDR4 SDRAM
	On Board Flash	1 × 16GB eMMC Flash, 1 × 8K Bit EEPROM
I/O	Display	1 × MIPI DSI (optional) 2 × Single LVDS channels 1 × HDMI 2.1
	Camera	1 × MIPI CSI 4-lane input, 1 × MIPI CSI 2-lane input
	USB	2 × USB 2.0 Host for wafer connector 2 × USB 3.0 Host for type-A 1 × USB 2.0 OTG for type-C0 1 × USB type-C1 PD
	Ethernet	2 × 10/100/1000 Mbps

	Audio	1 × Headphone output 1 × Microphone input 1 × Speaker output
	Serial Port	3 × UART (1 for debug used, 1 for RS232, 1 for RS485)
	I2C	1 × I2C CTP
	PWM	2 × PWM
	CAN_BUS	2 × CAN
	SPI	1 × ECSPI
	Other	GPIOs
Expansion	M.2	1 × E-Key (1 × USB 2.0, 1 × SAI, 1 × UART, 1 × PCIe 3.0 x1, 1 × I2C) 1 × B-Key (1 × USB 2.0, 1 × SIM interface)
	SD Socket	1 × Micro SD card socket
	SIM Socket	1 × Nano SIM card socket
Power	DC	9 ~ 24 V
	RTC Battery	1.1 ~ 5.25 V

<u>Software</u>		
OS	Default	Yocto 5.X
	Optional	Android

Block Diagram



Dimensions

