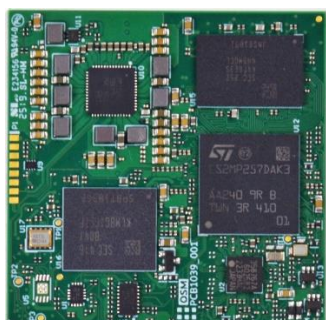


P05D00123-00

ST STM32MP257

Front View



Features

- High Performance, Low Power Consumption: Integrated with ST STM32MP257 dual-core processor
- Voltage Supply: Powered by a 5.0V power supply
- Smart Application Areas: Industrial, medical, kiosks, PoS, and other multimedia and AIoT application
- OSM v1.2, Size-L Module, 45 x 45mm

Specifications

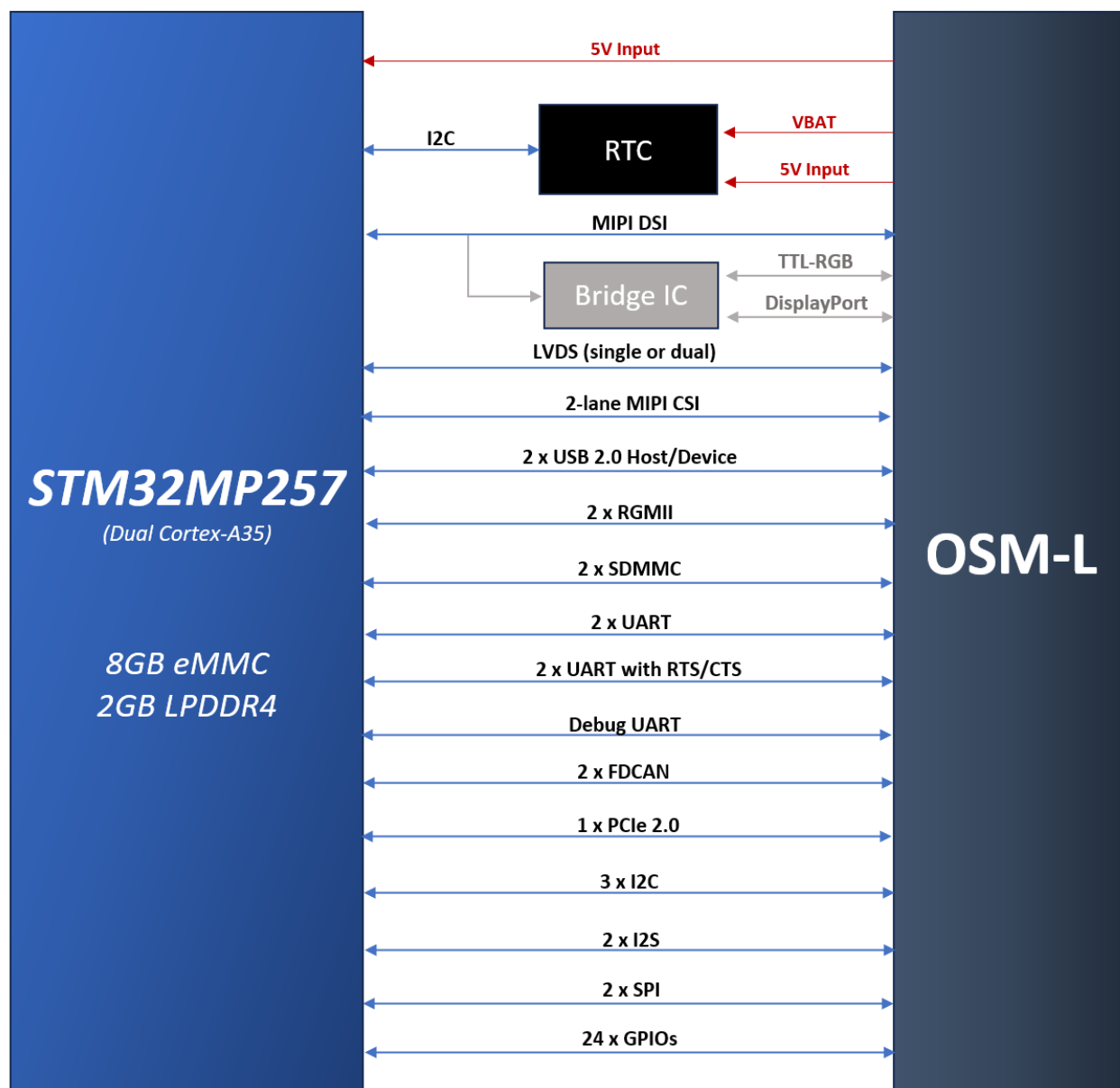
Hardware

CPU	STM32MP257	Dual-Core ARM Cortex-A35 1.5GHz, 1 x Cortex-M33	
GPU	VeriSilicon	OpenGL ES 3.1, Vulkan 1.3, OpenCL 3.0, OpenVX 1.3,	
NPU	VeriSilicon	Accelerator with processing performance up to 1.35TOPS	
Memory	On Board RAM	2GB LPDDR4 SDRAM (up to 4GB)	
	On Board Flash (Default Boot Device)	8GB eMMC Flash (Optional: 16GB/32GB/64GB)	
I/O	Display	- 1 x MIPI DSI (4 Lane) or 1 x 24 bits Parallel RGB (optional) or 1 x DisplayPort (2 Lane) (optional) - 1 x LVDS (single or dual channel)	
	Camera	1 x MIPI CSI (2 Lane)	
	USB	2 x USB 2.0 Host / Device	
	Ethernet	2 x RGMII	
	Default Peripheral	5 x UART (One for Debug Used) 3 x I ² C 2 x SPI 2 x I ² S 2 x FDCAN	2 x SDMMC 1 x PCIe 2.0 24 x GPIOs 1 x PWM

Software

OS	Linux	Yocto
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Block Diagram



Dimensions

