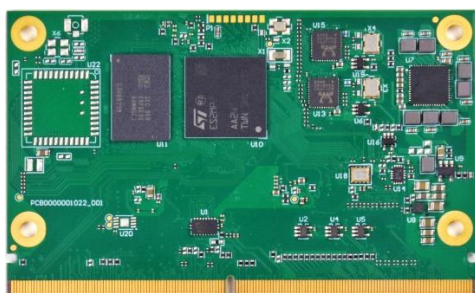


Front View



Features

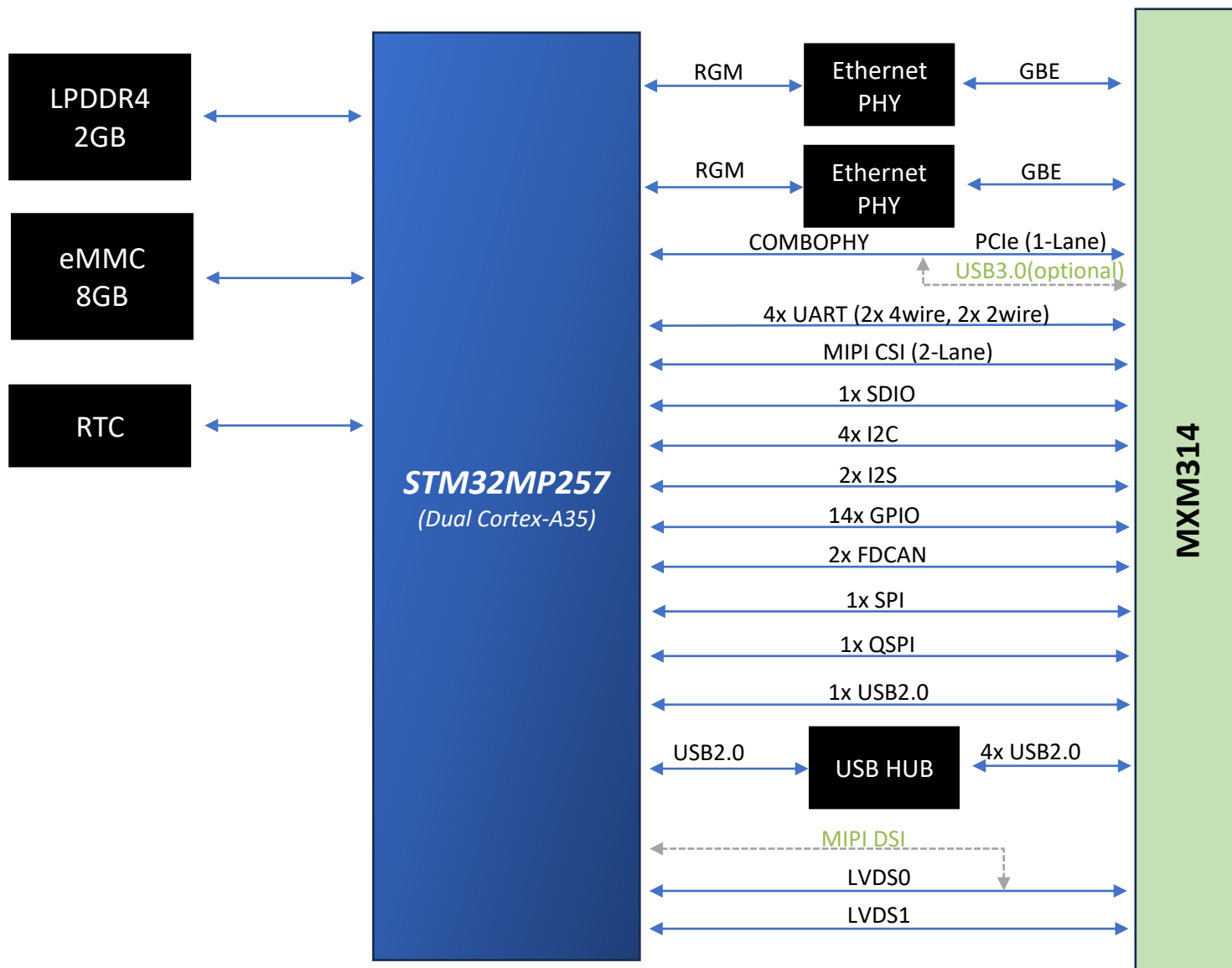
- **High Performance, Low Power Consumption:**
Integrated with ST STM32MP257 dual-core processor
- **Voltage Supply:** Powered by a 5.0V power supply
- **SMARC V2.2**
- **Smart Application Areas:** Industrial, medical, kiosks, and other HMI and AIoT application

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 × LVDS (single or dual channel) or 1 × MIPI DSI (4 Lane)	
	Camera	1 × MIPI CSI (2 Lane)	
	USB	1 × USB 2.0 Host / Device, 4 × USB 2.0 Host	
	Ethernet	2 × 10/100/1000 Mbps	
	Default Peripheral	4 × UART (1 for Debug Used) 3 × I ² C 2 × SPI 2 × I ² S 2 × FDCAN	1 × SDMMC 1 × PCIe 2.0 1-Lane 14 × GPIOs

Software	
OS	Yocto

Block Diagram



Dimensions

