









i.CoreMX8M MINI

EDIMM standard 2.0 SOM based on NXP® i.MX 8M Mini processor



yocto
PROJECT

FEATURES



	CPU	NXP® i.MX 8M Mini
	CORES	Quad Arm® Cortex® -A53 @ 1.6GHz and Cortex-M4 @ 400MHz
	MEMORY	Up to 2GB LPDDR3
	GRAPHICS	GC NanoUltra for 3D acceleration GC320 for 2D acceleration
	VIDEO INTERFACES	<ul style="list-style-type: none"> • LVDS via MIPI-DSI • MIPI-DSI - 4 lanes
	VIDEO PROCESSING	<ul style="list-style-type: none"> • 1080p60 HEVC (h.265, VP8, VP9) dec • 1080p60 (h.264 VP8) enc
	AUDIO	<ul style="list-style-type: none"> • I²S interface
	NETWORKING	Gb Ethernet interfaces

HIGHLIGHTS

- Standard Edimm 2.0
- Suitable for high performance HMI and video applications

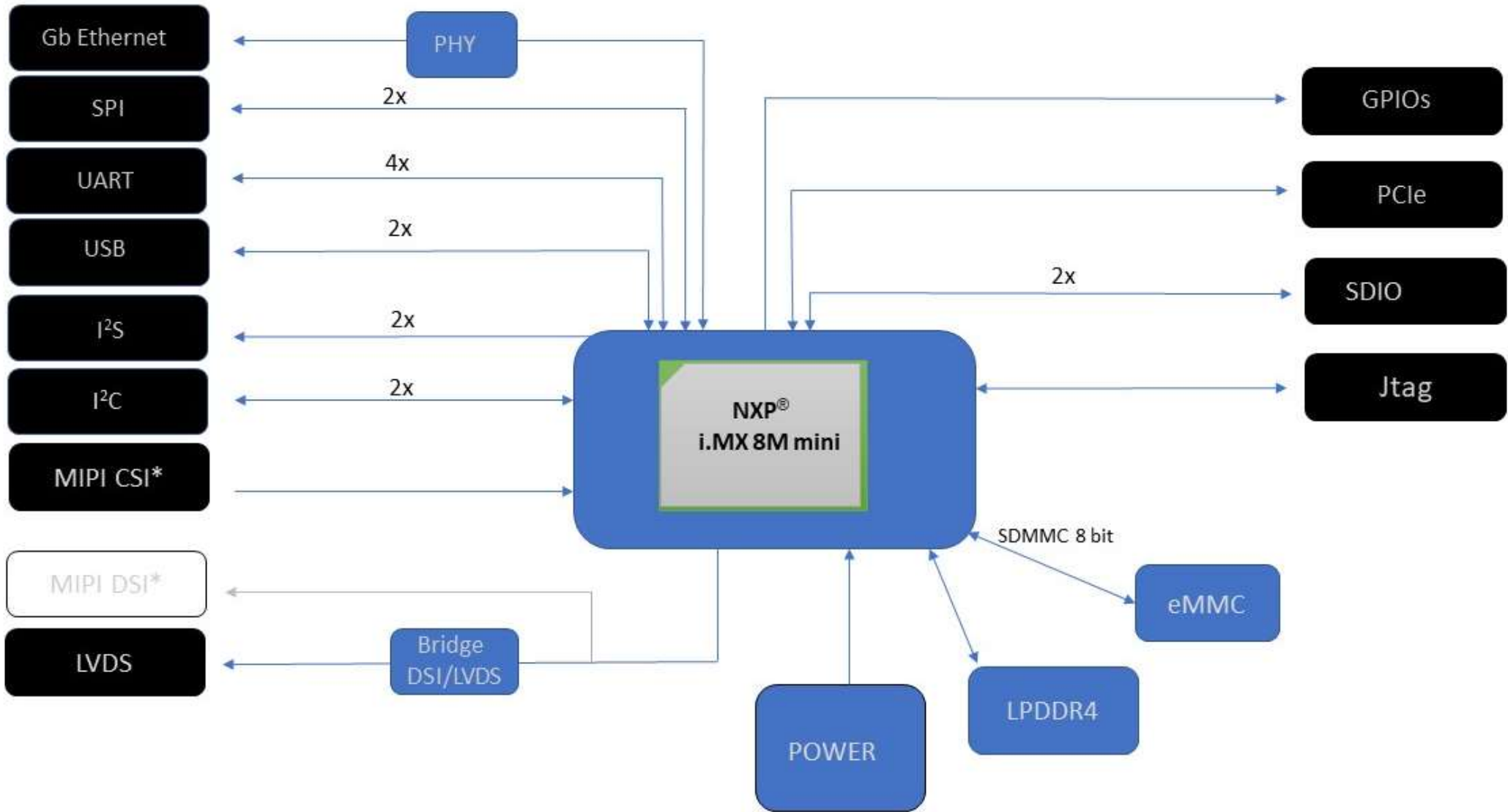
APPLICATIONS



	USB	<ul style="list-style-type: none"> • USB OTG 2.0 • USB HOST 2.0
	MASS STORAGE	<ul style="list-style-type: none"> • Starting from 4GB eMMC drive soldered on-board
	PERIPHERAL INTERFACES	UART, I²C, SPI, JTAG, SDIO, GPIOs
	POWER SUPPLY	+5V DC
	OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux • Yocto
	OPERATING TEMPERATURE*	Industrial and consumer qualified
	DIMENSIONS	32 x 67,6 mm

* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.

BLOCK DIAGRAM



*For further informations see the correspondent chapter on hardware manual