MicroGEA MX6ULL

Ultra compact SOM based on NXP ® i.MX 6ULL processor

HIGHLIGHTS

- Ultra-small form factor SOM based on Cortex®-A7
- Single + 3.3V power supply- e-paper driving capability
- Suitable for MCU replacement

APPLICATIONS

Industrial · Digital Signage Infotainment · e-paper display · Transportation · Automotive · Robotics · Biomedical/ Medical devices

FEATURES

CPU	NXP® i.MX 6ULL
CORES	Single-Core Cortex-A7 @ up to 900MHz
MEMORY	Up to 1GB DDR3L @800MTs
GRAPHICS	EPD, PXP to support 2D image processing including color-space conversion, scaling, alpha-blending, and rotation
VIDEO INTERFACES	• 1x Parallel LCD • 1x EPD
VIDEO PROCESSING	• Up to WXGA (1366x768) for LCD • Up to 2048x1536 for EPD
AUDIO	• I²S interface
NETWORKING	1x 10/100 Ethernet interfaces 1x RMII interface
USB	• 1x USB HOST 2.0 • 1x USB OTG
MASS STORAGE	• Nand Flash
PERIPHERAL INTERFACES	I²C, SPI, PWM, UART,CAN Bus, SDIO, ADC
POWER SUPPLY	+ 3,3V DC
OPERATING SYSTEM	• Linux
OPERATING TEMPERATURE*	Extended or Industrial qualified
DIMENSIONS	25 x 25 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.

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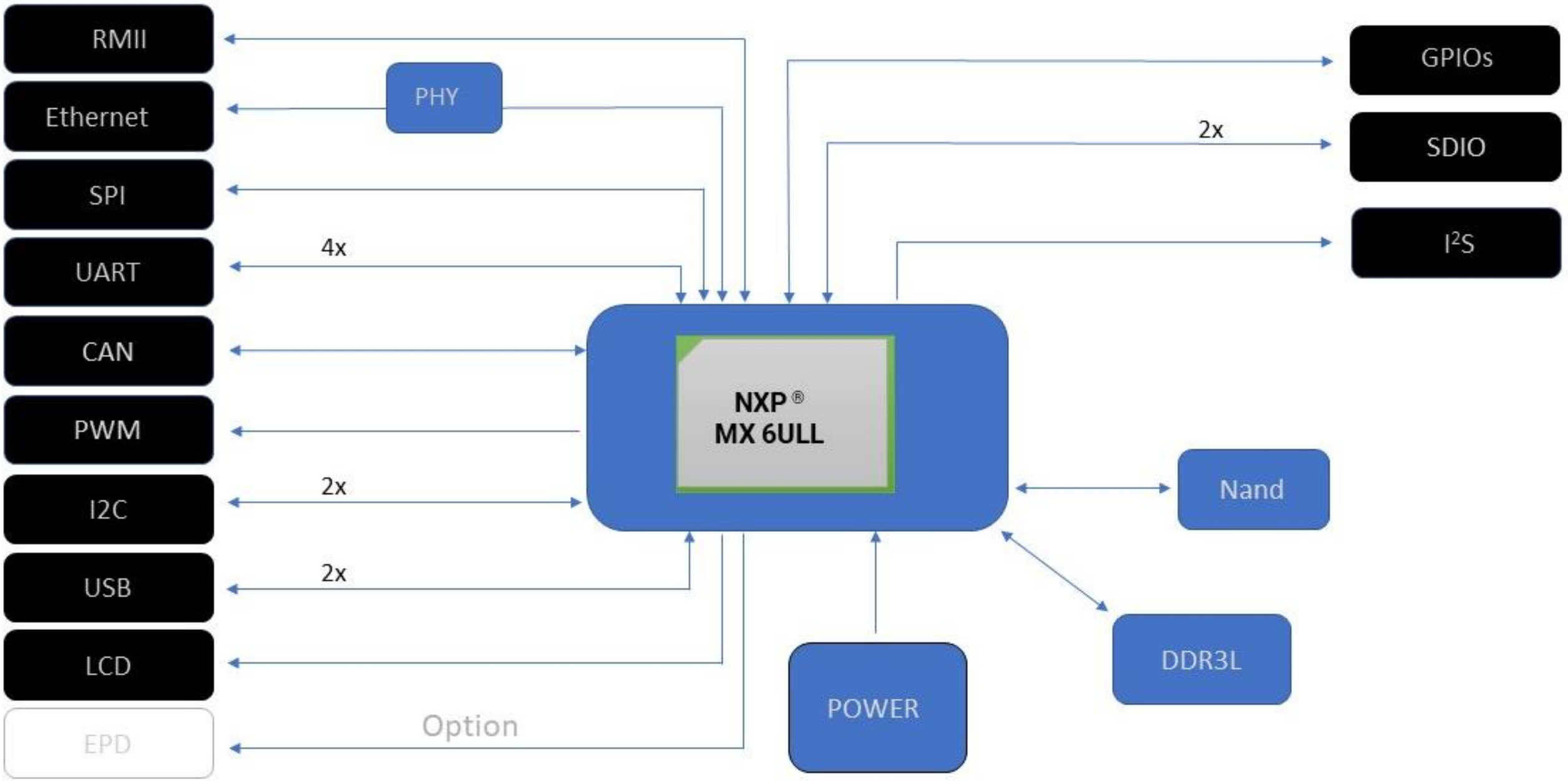
ENGICAM
EMBEDDED SOLUTIONS

MicroGEA MX6ULL

BLOCK DIAGRAM



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