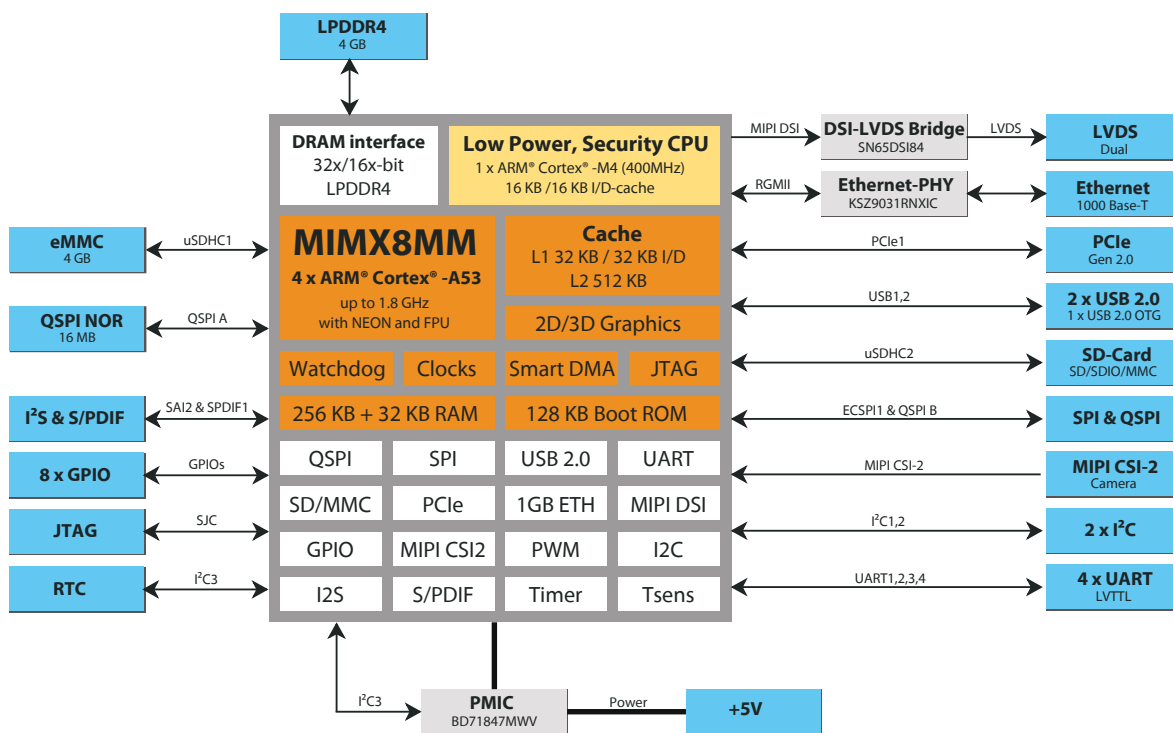


emCON-MX8M Mini Processor module

with ARM™ Cortex®-A53, ARM™ Cortex®-M4F



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emCON-MX8M Mini as CPU-Module

	emCON-MX8M Mini
	
Product	emCON-MX8M Mini
Linux	Linux Kernel 4.14.98
Android	Android Pie 9.0.0
QNX	on request
CPU manufacturer	NXP
CPU architecture	ARM™ Cortex®-A53 (quad core), ARM™ Cortex®-M4F
CPU performance	up to 1,8 GHz (A53) + 400 MHz (M4)
Co Processor	ARM Neon™
2D (hardware accelerated)	GC 320
3D (hardware accelerated)	GC NanoUltra
RAM	up to 4 GB LPDDR4 SDRAM
QSPI NOR-Flash	16 MB
eMMC NAND-Flash	up to 64 GB
Wi-Fi	-
Bluetooth	-
Ethernet	1000Base-T / 100Base-T / 10Base-T
PCIe	1 x 1 lane
UART	4 (1 x RTS/ CTS)
USB Host	1 x USB 2.0 high speed
USB Device	1 x USB 2.0 OTG high speed
Digital Audio	1 x SAI, 1 x S/PDIF
Analog Audio	-
LCD interface	1 x LVDS, 1080p60 (Full-HD)
Video In/Camera	1 x MIPI CSI-2
HDMI	-
I²C	2
SPI	2
GPIO	8 x (1x PWM)
SDIO/MMC/SD	1 x 4 bit
RTC (battery buffered)	yes
JTAG	yes
Size in mm	82 x 50 x 10
max. power consumption	t.b.d.
Operating temperature	0...+70°C, opt. -25...+85°C
Interface to carrier board	emCON connector (314 pos.)
Carrier boards available	yes
Developer kits available	yes
Custom specific solutions	yes

Subject to change without notice.
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