

emCON-MX8M Mini  
**Processor module**

with Quad ARM™ Cortex®-A53, ARM™ Cortex®-M4



**COMING SOON**

emCON-MX8M Mini

**Getting started with your embedded development!**

**Reduce your time to market with emtrion Developer Kits!**

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Emtrion's engineers are unique experts in hardware and software development. The embedded solutions are all from one source.

**emCON-MX8M Mini as CPU-Module**

	emCON-MX8M Mini
<b>COMING SOON</b>	
Product	emCON-MX8M Mini
WindowsCE	on request
Linux	yes
QNX	on request
Android	on request
FreeRTOS	on request
CPU manufacturer	NXP
CPU architecture	Quad ARM™ Cortex®-A53, ARM™ Cortex®-M4
CPU performance	1.6 - 2.0 GHz (A53) + 400 MHz (M4)
2D (hardware accelerated)	yes
3D (hardware accelerated)	yes
RAM	4GB LPDDR4 - 3000
Flash	16GB eMMC
Wi-Fi	-
Bluetooth	-
Ethernet	1000Base-T / 100Base-T / 10Base-T
PCIe	1 x 1 lane
UART	4
USB Host	1 x USB 2.0
USB Device	1 x USB 2.0 OTG
Digital Audio	1 x I2S, 1 x S/PDIF
Analog Audio	-
LCD interface	1 x LVDS, 1080p60 (Full-HD)
Video In/Camera	1 x MIPI CSI
HDMI	-
I2C	2
SPI	2
GPIO	8
SDIO/MMC/SD	1 x 8bit, 1 x 4bit
PWM	4 x
RTC (battery buffered)	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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