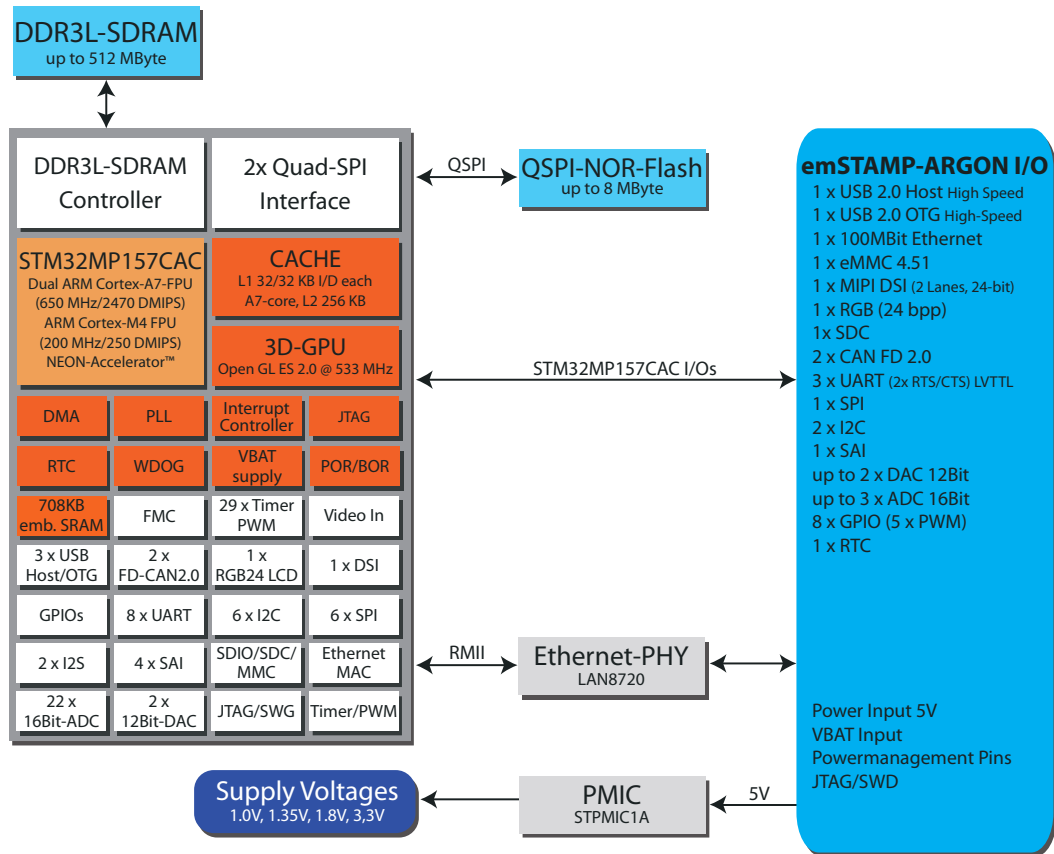


emSTAMP-Argon based on STM32MP157CAC



Getting started with your embedded development!

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With an emtrion developer kit you can easily start your application development and reduce your time to market.

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emSTAMP-Argon

	emSTAMP-Argon	emSBC-Argon
		
Operating system	Linux	
CANopen Master/Slave	yes	
CPU manufacturer	STMicroelectronics	
CPU	STM32MP157CAC	
CPU architecture	ARM Dual Cortex-A7, ARM Cortex-M4	
CPU performance	up to 2 x650 MHz - 2470 DMIPS + up to 200 MHz - 250 DMIPS	
Co-Processor	ARM Neon™, FPU	
3D-Hardware GPU	OpenGL ES2.0 @ 533 MHz	
Security	Crypto, TRNG, tamper, secure boot, Trust Zone	
RAM	up to 512 MByte DDR3L SDRAM	
NOR-Flash	up to 8 MByte QSPI-NOR-Flash	
eMMC 4.51	-	4-64 GByte
I ² C	2 x	
Ethernet	1x 100MBit	
SPI	1 x	
USB 2.0 (High Speed)	1 x Host, 1 x OTG	
CAN FD 2.0	2 x	
UART	3 x (2 x RTS/CTS)	
GPIO	8 x (5 x PWM)	
LCD DSI	2 data lanes 24-Bit	
LCD RGB	1 x 24 Bit	-
SAI	1 x	
ADC 16Bit	up to 3 x	
DAC 12Bit	up to 2 x	
LED	green / red	
MMC / SDC	1 x SDC	1 x Pinheader or 1 x μSD-Card
Debug	SWD/JTAG	-
RTC-battery-supply	1 x	1 x battery holder with CR1225
Power Management (PowerDown, Wake)	yes	
Operating temperature	-40°C ... +85°C	0°C ... +70°C
Size in mm	32,0 x 32,0 x 4,0	104,5 x 77,5
Customer specific solutions	yes	
easy layout integration	1,0mm I/O-Pitch (all Finepitch on CoM)	

Subject to change without notice.
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