

Macronix Flash Support for STMicroelectronics STM32 Products

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	NOR					NAND				eMMC
	serial Q-SPI, xSPI/OctaFlash					parallel		Q-SPI serial		v5.1
Data Width	x1,x2,x4			x1,x8		x8		x1,x2,x4		
Voltage	3.3V	1.8V	1.65-3.6V	3.3V	1.8V	3.3V	1.8V	3.3V	1.8V	3V
Density	2Gb-1Mb	2Gb-1Mb	64Mb-1Mb	2Gb-128Mb	2Gb-64Mb	4Gb-1Gb	4Gb-2Gb	4Gb-1Gb	4Gb-1Gb	2-8GB
Part Number	MX25LV	MX25U	MX25R	MX25LM/LW	MX25UM/UW	MX30LFXGE	MX30UFxGE	MX35LFXGE	MX35UFxGE	MX52LM
Note			Low Power	OctaFlash	OctaFlash	ECCfree	ECCfree	Eccfree	Eccfree	
STM32MP										
STM32MP1xxx /STM32MP2xxx	✓ ¹	✓	✓	-	-	✓	✓	✓	✓	✓
STM32H7										
STM32H743/753/	✓	✓	✓	-	-	✓	✓	✓	✓	✓
STM32H7x5/7x7	✓	✓	✓	-	-	✓	✓	✓	✓	✓
STM32H735/725/750	✓	✓	✓	✓ ¹	✓	✓	✓	✓	✓	✓
STM32H7A3/B3	✓	✓	✓	✓ ¹	✓	✓	✓	✓	✓	✓
STM32H7B0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
STM32H7Sx/Rx	✓	✓	✓	✓	✓ ¹	✓	✓	✓	✓	✓
STM32F7										
STM32F7xxx	✓ ¹	✓	✓	-	-	✓	✓	✓	✓	
STM32F4										
STM32F412xx/423xx/413xx	✓	✓	✓	-	-					✓
STM32F429x/427/439/437/F407/417/405/415	-	-	-	-	-	✓	✓	-	-	
STM32F469xx/479xx/446Zx/446Vx	✓	✓	✓	-	-	✓	✓	✓	✓	
STM32G4										
STM32G4x1/x3/x4	✓	✓	✓	-	-	✓	✓	✓	✓	
STM32F3										
STM32F302Vx/302Zx/303Vx/303Zx/398Vx	-	-	-	-	-	✓	✓	-	-	-
STM32F2										
STM32F2071x/207Vx/207Zx	-	-	-	-	-	✓	✓	-	-	-
STM32F1										
STM32F101Vx/101Zx	-	-	-	-	-	✓	✓	-	-	-

The compatibility refers to Macronix Memories connected to QSPI, OCTO/xSPI, FMC and FSMC STM32 peripherals.

1 Macronix part is on STM32 Reference Design

blue color text: table revision changes

Macronix products are only guaranteed to meet Macronix datasheets. Any information here provided is given as reference and without any warranty of any kind.



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Part Number	MX25LV	MX25U	MX25R	MX25LM/LW	MX25UM/UW	MX30LFxGE	MX30UFxGE	MX35LFxGE	MX35UFxGE	MX52LM
Note			Low Power	OctaFlash	OctaFlash	ECCfree	ECCfree	Eccfree	Eccfree	
STM32L4+										
STM32L4R9S9/R7/S7/R5/S5/P5/Q5	✓	✓	✓ ¹	✓ ¹	✓	✓	✓	✓	✓	✓
STM32L5										
STM32L552QE/VC/VE/ZC/ZE	✓	✓	✓	✓	✓	✓	✓	✓	✓	
STM32L552Cx/ME/Rx	✓	✓	✓	✓ ¹	✓	-	-	✓	✓	
STM32L562CE/ME/RE										
STM32L4										
STM32L4x6xx/4A6xx/471xx/475xx	✓	✓	✓	-	-	✓	✓	✓	✓	
STM32L432xx/442xx/452xx/462xx	✓	✓	✓	-	-	-	-	✓	✓	
STM32WB										
STM32WB55XX/33xx	✓	✓	✓	-	-	-	-	✓	✓	
STM32U5										
STM32U5x5	✓	✓	✓	✓ ¹	✓	-	-	✓	✓	✓
STM32U5x9	✓	✓	✓	✓	✓ ¹	-	-	✓	✓	✓
STM32H5										
STM32H56x	✓	✓	✓	✓	✓	-	-	✓	✓	✓
STM32N6										
STM32N6x5/7	✓	✓	✓	✓	✓ ¹	✓	✓	✓	✓	✓

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