

# Macronix Flash Support for STMicroelectronics STM32 Products

[www.macronix.com](http://www.macronix.com)

	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	2Gb-1Gb	2-8GB
Part Number	MX25L/V	MX25U	MX25R	MX25LM/LW	MX25UM/UW	MX30LFxGE	MX30UFxGE	MX35LFxGE	MX35UFxGE	MX52LM
Note			Low Power	OctaFlash	OctaFlash	ECCfree	ECCfree	Eccfree	Eccfree	
<b>STM32MP</b>										
STM32MP1xxx /STM32MP2xxx	✓	✓	✓	-	-	✓	✓	✓	✓	✓
<b>STM32H7</b>										
STM32H743/753/750	✓	✓	✓	-	-	✓	✓	✓	✓	✓
STM32H7x5/7x7	✓	✓	✓	-	-	✓	✓	✓	✓	✓
STM32H7Sx/Rx										
STM32H7A3/B3	✓	✓	✓	✓	✓	✓	✓	✓	✓	
STM32H7B0	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>STM32F7</b>										
STM32F7xxx	✓	✓	✓	-	-	✓	✓	✓	✓	
<b>STM32F4</b>										
STM32F412xx/423xx/413xx	✓	✓	✓	-	-				✓	
STM32F429xx/427xx/439xx/437xx/F407xx/417xx/405xx/415xx	-	-	-	-	-	✓	✓	-		
STM32F469xx/479xx	✓	✓	✓	-	-	✓	✓	✓		✓
STM32F446Zx/446Vx										
<b>STM32G4</b>										
STM32G4x1/x3/x4	✓	✓	✓	-	-	✓	✓	✓	✓	
<b>STM32F3</b>										
STM32F302Vx/302Zx/303Vx/303Zx/398Vx	-	-	-	-	-	✓	✓	-		-
<b>STM32F2</b>										
STM32F205Vx/205Zx										
STM32F207Ix/207Vx/207Zx										
STM32F215Vx/215Zx/	-	-	-	-	-	✓	✓	-		-
STM32F217Ix/217Vx/217Zx										
<b>STM32F1</b>										
STM32F101Vx/101Zx										
STM32F103Vx/103Zx	-	-	-	-	-	✓	✓	-		-
STM32F105xx, STM32F107xx										

<sup>1</sup> The compatibility refers to Macronix Memories connected to QSPI, FMC and FSMC STM32 peripherals.

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.



v1.04.2024

# Macronix Flash Support for STMicroelectronics STM32 Products

[www.macronix.com](http://www.macronix.com)

	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	
<b>STM32L4+</b>										
STM32L4R9S9/R7/S7/R5/S5/P5/Q5	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>STM32L5</b>										
STM32L552QE/VC/VE/ZC/ZE	✓	✓	✓	✓	✓	✓	✓	✓	✓	
STM32L552Cx/ME/Rx	✓	✓	✓	✓	✓	-	-	✓	✓	
STM32L562CE/ME/RE										
<b>STM32L4</b>										
STM32L4x6xx/4A6xx/471xx/475xx	✓	✓	✓	-	-	✓	✓	✓	✓	
STM32L432xx/442xx/452xx/462xx	✓	✓	✓	-	-	-	-	✓	✓	
<b>STM32WB</b>										
STM32WB55XX/33xx	✓	✓	✓	-	-	-	-	✓	✓	
<b>STM32U5</b>										
STM32U5x5	✓	✓	✓	✓	✓	-	-	✓	✓	✓
<b>STM32H5</b>										
STM32H56x	✓	✓	✓	✓	✓	-	-	✓	✓	✓

<sup>1</sup> The compatibility refers to Macronix Memories connected to QSPI, FMC and FSMC STM32 peripherals.

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.



v1.04.2024