

# Macronix Flash Support for STMicroelectronics STM32 Products

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	NOR					NAND							
	serial Q-SPI, xSPI/OctaFlash					parallel				Q-SPI serial			
	x1,x2,x4			x1,x8		x8				x1,x2,x4			
Data Width													
Voltage	3.3V	1.8V	1.65-3.6V	3.3V	1.8V	3.3V	3.3V	1.8V	1.8V	3.3V	1.8V	1.8V	
Density	2Gb-1Mb	2Gb-1Mb	64Mb-1Mb	2Gb-128Mb	2Gb-64Mb	4Gb-1Gb	4Gb-1Gb	4Gb-2Gb	4Gb-2Gb	4Gb-1Gb	2Gb-1Gb	2Gb-1Gb	
Part Number	MX25LV	MX25U	MX25R	MX25MLW	MX25UMW	MX30LFxGE	MX30LF	MX30UFxGE	MX30UF	MX35LFxGE	MX35UFxGE	MX35UF <sup>3</sup>	
Note			Low Power	OctaFlash	OctaFlash	ECCfree	4/8b ECC	ECCfree	4/8b ECC	Eccfree	Eccfree	4b ECC	
<b>STM32MP</b>													
STM32MP15xxx	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	
<b>STM32H7</b>													
STM32H743/753/750	✓	✓	✓	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
STM32H7x5/7x7	✓	✓	✓	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
STM32H7A3/B3	✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
STM32H7B0	✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
<b>STM32F7</b>													
STM32F7xxx	✓	✓	✓	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
<b>STM32F4</b>													
STM32F412xx/423xx/413xx	✓	✓	✓	-	-						✓		
STM32F429xx/427xx/439xx/437xx/F407xx/ 417xx/405xx/415xx	-	-	-	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	-		-	
STM32F469xx/479xx	✓	✓	✓	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
STM32F446Zx/446Vx													
<b>STM32G4</b>													
STM32G4x1/x3/x4	✓	✓	✓	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>	
<b>STM32F3</b>													
STM32F302Vx/302Zx/303Vx/303Zx/398Vx	-	-	-	-	-	✓	✓ <sup>3</sup>	✓	✓	-		-	
<b>STM32F2</b>													
STM32F205Vx/205Zx													
STM32F207x/207Vx/207Zx	-	-	-	-	-	✓	✓ <sup>2</sup>	✓	✓	-		-	
STM32F215Vx/215Zx/ STM32F217x/217Vx/217Zx													
<b>STM32F1</b>													
STM32F101Vx/101Zx													
STM32F103Vx/103Zx	-	-	-	-	-	✓	✓ <sup>2</sup>	✓	✓	-		-	
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

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Voltage	3.3V	1.8V	1.65-3.6V	3.3V	1.8V	3.3V	3.3V	1.8V	1.8V	3.3V	1.8V	1.8V
Density	2Gb-1Mb	2Gb-1Mb	64Mb-1Mb	2Gb-128Mb	2Gb-64Mb	4Gb-1Gb	4Gb-1Gb	4Gb-2Gb	4Gb-2Gb	2Gb-1Gb	2Gb-1Gb	2Gb-1Gb
Part Number	MX25LV	MX25U	MX25R	MX25MLW	MX25UMW	MX30LFxGE	MX30LF	MX30UFxGE	MX30UF	MX35LFxGE	MX35UFxGE	MX35UF <sup>3</sup>
Note			Low Power	OctaFlash	OctaFlash	ECCfree	4/8b ECC	ECCfree	4/8b ECC	Eccfree	Eccfree	
<b>STM32L4+</b>												
STM32L4R9S9/R7/S7/R5/S5/P5/Q5	✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>
<b>STM32L5</b>												
STM32L552QEVCVEZCZE	✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>
STM32L552Cx/ME/Rx	✓	✓	✓	✓	✓	-	-	-	-	✓	✓	✓ <sup>2</sup>
STM32L562CE/RE												
<b>STM32L4</b>												
STM32L4x6xx/4A6xx/471xx/475xx	✓	✓	✓	-	-	✓	✓ <sup>2</sup>	✓	✓ <sup>2</sup>	✓	✓	✓ <sup>2</sup>
STM32L432xx/442xx/452xx/462xx	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓ <sup>2</sup>
<b>STM32WB</b>												
STM32WB55XX/33xx	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓ <sup>2</sup>

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

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