

Micron® Memory Support for STMicroelectronics® Chipsets

Save yourself time and money—Micron memory comes *validated* on [STM32 microprocessor](#) chipsets

Micron Memory			DRAM			NAND	NOR				e.MMC	
	LPDDR4		SDRAM		DDR3	SLC	Q-SPI		Parallel			
Family	MT48H		MT4LC			MT41K	MT29F	MT25	MT25T	MT28EW	M58BW	MTFC
Voltage	1.8V		3.3V			1.35V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V
Width	x16	x32	x8, x16	x32	x16	x8, x16	x4	x8	x8, x16	x32	-	
Density	512Mb		64Mb, 128Mb, 256Mb	64Mb, 128Mb	8Gb (MAX)	128Mb-16Gb	2Gb (MAX)		512Mb (MAX)		64GB (MAX)	
Recommended PN	MT48H32M-16LFBxxx	MT48H16M-32LFBxxx	MT48LCxM16xx, MT48LCxM8xx	MT48LCxM32xx	MT41KxxM16xx	MT29FxxG08xx, MT29FxxG16xx	MT25	MT25TL	MT28EWxx	M58BWxx	MTFCxx	
STM32 H7												
STM32H7x3xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32 F7												
STM32F75XX (STM32F745xx, STM32F765xx)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F746xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F756xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F768xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F79xx (STM32F769xx, STM32F779xx)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F77xx (STM32F777xx, STM32F767xx)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F778xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F72xx (STM32F722xx, STM32F732xx)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32F73xx (STM32F723xx, STM32F733xx)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32 F4												
STM32 F479xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32 F469xx	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
STM32 F429xx-F427xx	✓	✓	✓	✓		✓			✓	✓	✓	
STM32 F439xx - STM32 F437xx	✓	✓	✓	✓		✓			✓	✓	✓	
STM32 F446	✓		✓			✓	✓	✓	✓		✓	
STM32 F407xx - STM32 F417xx						✓			✓		✓	
STM32 F405xx - STM32 F415xx						✓			✓		✓	
STM32 F412xx							✓	✓	✓		✓	
STM32 F423xx							✓	✓	✓		✓	
STM32 F413xx							✓	✓	✓		✓	
STM32 F2												
STM32 F215xx - F217xx						✓			✓		✓	
STM32 F205xx - F207xx						✓			✓		✓	

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Micron Memory			DRAM			NAND	NOR				e.MMC
	LPSDRAM		SDRAM		DDR3	SLC	Q-SPI		Parallel		
Family	MT48H		MT4LC		MT41K	MT29F	MT25	MT25T	MT28EW	M58BW	MTFC
Voltage	1.8V		3.3V		1.35V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V
Width	x16	x32	x8, x16	x32	x16	x8, x16	x4	x8	x8, x16	x32	-
Density	512Mb		64Mb, 128Mb, 256Mb	64Mb, 128Mb	8Gb (MAX)	128Mb–16Gb	2Gb (MAX)		512Mb (MAX)		64GB (MAX)
Recommended PN	MT48H32M-16LFBxxx	MT48H16M-32LFBxxx	MT48LCxM16xx, MT48LCxM8xx	MT48LCxM32xx	MT41KxxM16xx	MT29FxxG08xx, MT29FxxG16xx	MT25	MT25TL	MT28EWxx	M58BWxx	MTFCxx
STM32 F3											
STM32 F302xD - F302xE						✓			✓		✓
STM32 F303xD - F303xE						✓			✓		✓
STM32 F398						✓			✓		✓
STM32 F1											
STM32F100xC - STM32F100xD - STM32F100xE)									✓		✓
STM32F101xF - STM32F101xG						✓			✓		✓
STM32F101xC - STM32F101xD - STM32F101xE						✓			✓		✓
STM32F103xG - STM32F103xF						✓			✓		✓
STM32F103xC - STM32F103xD - STM32F103xE						✓			✓		✓
STM32 L1											
STM32L151xD - STM32L152xD									✓		✓
STM32L162xD									✓		✓
STM32 L4											
STM32L4x6xx (STM32L486xx - STM32L476xx- STM32L496xx - STM32L4A6xx)						✓	✓		✓		✓
STM32L471xx						✓	✓		✓		✓
STM32L475xx						✓	✓		✓		✓
STM32L433xx							✓	✓			✓
STM32L4x2xx (STM32L432xx - STM32L442xx - STM32L452xx - STM32L462xx)							✓	✓			✓
STM32L451xx							✓	✓			✓
STM32L431xx							✓	✓			✓

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Micron® Memory Support for STMicroelectronics® Automotive Chipsets

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Micron Memory			DRAM				NAND		NOR				e.MMC		
	LPSPDRAM		SDRAM		DDR3L (1066)	DDR3L (1333)	SLC		Q-SPI		Parallel				
Family	MT48H		MT4LC		MT41K		MT29F		MT25	MT25T	MT28EW	M58BW	MTFC		
Voltage	1.8V		3.3V		1.35V		3.3-1.8V	3.3V	3.3-1.8V	3.3V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V	
Width	x16	x32	x8, x16	x32	x16		x8, x16		x4	x4	x8	x8, x16	x32	-	
Density	512Mb		64Mb, 128Mb, 256Mb	64Mb, 128Mb	4Gb (MAX)	8Gb (MAX)	128Mb–16Gb		2Gb (MAX)		512Mb (MAX)	512Mb (MAX)	64GB (MAX)		
Recommended PN	MT48H32M-16LFBxxx	MT48H16M-32LFBxxx	MT48LCxM16xx, MT48LCxM8xx	MT48LCxM32xx			MT29FxDG08xx, MT29FxDG16xx		MT25	MT25	MT25TL	MT28EWxx	M58BWxx	MTFCxx	
STM32 Automotive	Accordo2 Automotive (Infotainment)														
	STA1080x/85x/90x/95x			✓				✓		✓				✓	
	Accordo5 Automotive (Infotainment, Instruments Cluster)														
	STA1275x/85x/95x					✓		✓		✓				✓	
	Telemaco2 Automotive (Telematics)														
	STA1078x/79x/88x			✓				✓		✓					✓
	Telemaco3 Automotive (Telematics)														
	STA1175x/85x/95x						✓		✓		✓				✓
Telemaco3P Automotive (Telematics)															
STA1375x/85x					✓		✓		✓					✓	

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