

Micron® Memory Support for STMicroelectronics® Chipsets

Save yourself time and money—Micron memory comes **validated** on STM32 microprocessor chipsets

Micron	DRAM	LPDDR2	LPDDR3	LPSDRAM		SDRAM		DDR3
	Family	EDB	MT52L256M32	MT48H		MT4LC		MT41K
	Voltage	1.2V	1.2V	1.8V		3.3V		1.35V
	Width	x16, x32	x32	x16	x32	x8, x16	x32	x16
	Density	8Gb (MAX)	8Gb	512Mb		64Mb, 128Mb, 256Mb	64Mb, 128Mb	8Gb (MAX)
	Recommended PN	EDB family	MT52L family	MT48H32M-16LFBxxx	MT48H16M-32LFBxxx	MT48LCxM16xx/8xx	MT48LCxM32xx	MT41KxxM16xx
STM Chipsets (STM32 Series)	STM32 H7							
	STM32H7x3xx			✓	✓	✓	✓	
	STM32H750xx			✓	✓	✓	✓	
	STM32 MP1							
	STM32MP15xx	✓	✓					✓
	STM32 F7							
	STMF7x5XX (STMF745xx, STMF765xx)			✓	✓	✓	✓	
	STMF746xx			✓	✓	✓	✓	
	STMF756xx			✓	✓	✓	✓	
	STMF768xx			✓	✓	✓	✓	
	STMF7x9xx (STMF769xx, STMF779xx)			✓	✓	✓	✓	
	STMF7x7xx (STMF777xx, STMF767xx)			✓	✓	✓	✓	
	STMF778xx			✓	✓	✓	✓	
	STMF7x2x (STMF722xx, STMF732xx)			✓	✓	✓	✓	
	STMF7x3xx (STMF723xx, STMF723xx)			✓	✓	✓	✓	
	STMF7x0x8 (STMF750x8 STMF730x8)			✓	✓	✓	✓	
	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							
	STM32 F3							
	STM32 F302xD - F302xE							
STM32 F303xD - F303xE								
STM32 F398								

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Micron	DRAM	LPDDR2	LPDDR3	LPDDR4		SDRAM		DDR3
	Family	EDB	MT52L256M32	MT48H		MT4LC		MT41K
	Voltage	1.2V	1.2V	1.8V		3.3V		1.35V
	Width	x16, x32	x32	x16	x32	x8, x16	x32	x16
	Density	8Gb (MAX)	8Gb	512Mb		64Mb, 128Mb, 256Mb	64Mb, 128Mb	8Gb (MAX)
	Recommended PN	EDB family	MT52L family	MT48H32M-16LFBxxx	MT48H16M-32LFBxxx	MT48LCxM16xx/M8xx	MT48LCxM32xx	MT41KxxM16xx
STM Chipsets (STM32 Series)	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							
	STM32L4x3xx - STM32L433xx - STM32L443xx							
	STM32L4x2xx (STM32L432xx - STM32L442xx - STM32L452xx - STM32L462xx - STM32L412xx - STM32L422xx)							
	STM32L451xx							
	STM32L431xx							
	STM32 L4+							
	STM32L4Rx - STM32L4Sx							
	STM32 L5							
	STM32L5x2							
	STM32 WB55xG							
	STM32WB55xG							
	STM32 Accordo Family (Automotive)							
	STA10xx (Accordo 2)						✓	
	STA1295 (Accordo 5)							✓

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		SLC NAND	SPI NAND	Q-SPI NOR		Parallel NOR	Xccela™ Octal NOR	e.MMC
Micron	Family	MT29F	MT25F	MT25	MT25T	MT28EW	MT35X	MTFC
	Voltage	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V
	Width	x8, x16	x8	x4	x8	x8, x16	x8	-
	Density	128Mb-16Gb	2Gb (MAX)	2Gb (MAX)	2Gb (MAX)	512Mb (MAX)	2Gb (MAX)	64Mb (MAX)
	Recommended PN	MT29FG08xx/16xx	MT29F family	MT25 family	MT25L family	MT28EWxx family	MT35X family	MTFCxx family
STM Chipsets (STM32 Series)	STM32 H7							
	STM32H7x3xx	✓		✓	✓	✓		✓
	STM32H750xx	✓		✓	✓	✓		✓
	STM32 MP1							
	STM32MP15xx	✓	✓	✓	✓	✓		✓
	STM32 F7							
	STMF7x5XX (STMF745xx, STMF765xx)	✓		✓	✓	✓		✓
	STMF746xx	✓		✓	✓	✓		✓
	STMF756xx	✓		✓	✓	✓		✓
	STMF768xx	✓		✓	✓	✓		✓
	STMF7x9xx (STMF769xx, STMF779xx)	✓		✓	✓	✓		✓
	STMF7x7xx (STMF777xx, STMF767xx)	✓		✓	✓	✓		✓
	STMF778xx	✓		✓	✓	✓		✓
	STMF7x2x (STMF722xx, STMF732xx)	✓		✓	✓	✓		✓
	STMF7x3xx (STMF723xx, STMF733xx)	✓		✓	✓	✓		✓
	STMF7x0x8 (STMF750x8 STMF730x8)	✓		✓	✓	✓		✓
	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	✓				✓		✓
	STM32 F3							
	STM32 F302xD - F302xE	✓				✓		✓
	STM32 F303xD - F303xE	✓				✓		✓
STM32 F398	✓				✓		✓	

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		SLC NAND	SPI NAND	Q-SPI NOR		Parallel NOR	Xccela™ Octal NOR	e.MMC
Micron	Family	MT29F	MT25F	MT25	MT25T	MT28EW	MT35X	MTFC
	Voltage	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3-1.8V	3.3V
	Width	x8, x16	x8	x4	x8	x8, x16	x8	-
	Density	128Mb-16Gb	2Gb (MAX)	2Gb (MAX)	2Gb (MAX)	512Mb (MAX)	2Gb (MAX)	64Mb (MAX)
	Recommended PN	MT29FxG08xx/16xx	MT29F family	MT25 family	MT25L family	MT28EWxx family	MT35X family	MTFCxx family
STM Chipsets (STM32 Series)	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	✓		✓		✓		✓
	STM32L4x3xx - STM32L433xx - STM32L443xx			✓	✓			✓
	STM32L4x2xx (STM32L432xx - STM32L442xx - STM32L452xx - STM32L462xx - STM32L412xx - STM32L422xx			✓	✓			✓
	STM32L451xx			✓	✓			✓
	STM32L431xx			✓	✓			✓
	STM32 L4+							
	STM32L4Rx - STM32L4Sx	✓		✓	✓	✓	✓	✓
	STM32 L5							
	STM32L5x2	✓		✓	✓	✓	✓	✓
	STM32 WB55xG							
	STM32WB55xG			✓	✓			
	STM32 Accordo Family (Automotive)							
	STA10xx (Accordo 2)	✓		✓				✓
	STA10xx (Accordo 2)	✓		✓				✓

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Micron® Memory Support for STMicroelectronics® Automotive Chipsets

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	DRAM						NAND		NOR				e.MMC			
	LPDDR4		SDRAM		DDR3L (1066)	DDR3L (1333)	SLC		Q-SPI		Parallel					
Micron	MT48H		MT4LC		MT41K		MT29F		MT25		MT25T	MT28EW	M58BW	MTFC		
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	3.3-1.8V	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			MT29FxG08xx, MT29FxG16xx		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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