

Micron® Memory Support for STMicroelectronics® Chipsets

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

| Micron | | DRAM | | | | | |
|-----------------------------|--|--------------|-------------------|-------------------|------------------|--------------|--------------|
| | | LPDDR2 | LPDDR3 | LPDDR4 | | SDRAM | |
| Family | MT42L | MT52L256M32 | MT48H | | MT4LC | | MT41K |
| Voltage | 1.2V | 1.2V | 1.8V | | 3.3V | | 1.35V |
| Width | x32 | x32 | x16 | x32 | x8, x16 | x32 | x16 |
| Recommended PN | MT42L family | MT52L family | MT48H32M-16LFBxxx | MT48H16M-32LFBxxx | MT48LCxM16xx/8xx | MT48LCxM32xx | MT41KxxM16xx |
| STM Chipsets (STM32 Series) | STM32 H7 | | | | | | |
| | STM32H7x3xx - STM32H750xx | | | ✓ | ✓ | ✓ | ✓ |
| | STM32H757xl - STM32H747xl/G - STM32H755xl - STM32H745xl/G | | | ✓ | ✓ | ✓ | ✓ |
| | STM32H7B3xl - STM32H7A3xl/G | | | ✓ | ✓ | ✓ | ✓ |
| | STM32H742xl/G - STM32H743xl/G - STM32H753xl | | | ✓ | ✓ | ✓ | ✓ |
| | STM32H735xG - STM32H725xE/G STM32H733VG - STM32H733ZG STM32H723VE STM32H723VG STM32H7BOxB STM32H730AB - STM32H730IB - STM32H730VB - STM32H730ZB STM32H723ZE - STM32H723ZG | | | ✓ | ✓ | ✓ | ✓ |
| | STM32 MP1 | | | | | | |
| | STM32MP15xx | ✓ | ✓ | | | | ✓ |
| | STM32 F7 | | | | | | |
| | STMF745xx - STMF765xx - STMF746xx - STMF756xx - STMF768xx - STMF769xx - STMF779xx - STMF777xx - STMF767xx - STMF778xx - STMF722xx - STMF732xx - STMF7x3xx - 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 | | | ✓ | | ✓ | |

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| Micron | Family | NAND | | NOR | | | e.MMC | |
|-----------------------------|--|------------------|--------------|-------------|--------------|-----------------|--------------|-------------------|
| | | SLC NAND | SPI NAND | Q-SPI NOR | | Parallel NOR | | Xccela™ Octal NOR |
| | Family | MT29F | MT29F | 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 | – |
| | Recommended PN | MT29FxG08xx/16xx | MT29F family | MT25 family | MT25L family | MT28EWxx family | MT35X family | MTFCxx family |
| STM Chipsets (STM32 Series) | STM32 H7 | | | | | | | |
| | STM32H7x3xx - STM32H750xx | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| | STM32H757xl - STM32H747xl/G - STM32H755xl - STM32H745xl/G | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| | STM32H7B3xl - STM32H7A3xl/G | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | STM32H742xl/G STM32H743xl/G STM32H753xl | ✓ | | ✓ | ✓ | ✓ | | ✓ |
| | STM32H735xG - STM32H725xE/G STM32H733VG - STM32H733ZG STM32H723VE STM32H723VG STM32H7BOxB STM32H730AB -STM32H730IB - STM32H730VB - STM32H730ZB STM32H723ZE - STM32H723ZG | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | STM32 MP1 | | | | | | | |
| | STM32MP15xx | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| | STM32 F7 | | | | | | | |
| | STMF745xx - STMF765xx - STMF746xx - STMF756xx - STMF768xx - STMF769xx - STMF779xx - STMF777xx - STMF767xx - STMF778xx - STMF722xx - STMF732xx - STMF7x3xx - 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 F3 | | | | | | | |
| | STM32 F302xD - F302xE - STM32 F303xD - F303xE - STM32 F398 | ✓ | | | | ✓ | | ✓ |
| | STM32 F2 | | | | | | | |
| | STM32 F215xx - F217xx - STM32 F205xx - F207xx | ✓ | | | | ✓ | | ✓ |

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| Micron | | NAND | | NOR | | | e.MMC | | |
|-----------------------------|---|------------------|--------------|-------------|--------------|-----------------|--------------|-------------------|---|
| | | SLC NAND | SPI NAND | Q-SPI NOR | | Parallel NOR | | Xccela™ Octal NOR | |
| | 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 | - | |
| | 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 G4 | | | | | | | | |
| | STM32G491xC – STM32G4A1xE – STM32G491xE | | | | ✓ | | | | ✓ |
| | STM32G483xE – STM32G473xB – STM32G473xC – STM32G484xE – STM32G474xB – STM32G474xC – STM32G474xE – STM32G473xE | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ |
| | STM32 L1 | | | | | | | | |
| | STM32L151xD – STM32L152xD – STM32L162xD | | | | | | ✓ | | ✓ |
| | STM32 L4 | | | | | | | | |
| | STM32L486xx – STM32L476xx – STM32L496xx – STM32L4A6xx – STM32L471xx – STM32L475xx | ✓ | | ✓ | | | ✓ | ✓ | ✓ |
| | STM32L433xx – STM32L443xx – STM32L432xx – STM32L442xx – STM32L452xx – STM32L462xx – STM32L412xx – STM32L422xx – STM32L451xx – STM32L431xx | | | ✓ | ✓ | | | | ✓ |
| | STM32 L4+ | | | | | | | | |
| | STM32L4Rx – STM32L4Sx – STM32L4P5xx – STM32L4Q5xx | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | STM32 L5 | | | | | | | | |
| | STM32L5x2 | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | STM32 U5 | | | | | | | | |
| | STM32U585xx – STM32U575xx | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | STM32 WB55xG | | | | | | | | |
| | STM32WB55xG | | | ✓ | ✓ | | | | ✓ |

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Micron® Memory Support for STMicroelectronics® Automotive Chipsets

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| | DRAM | | NAND | | NOR | | e.MMC |
|--------------------------------|--|-------|-----------------------------|------|----------|-----------|--------|
| | SDRAM | DDR3 | SLC | | Q-SPI | Octal SPI | |
| Micron | | | | | | | |
| Family | MT4LC | MT41K | MT29F | | MT25 | MT35X | MTFC |
| Voltage | 3.3V | 1.35V | 3.3-1.8V | 3.3V | 3.3-1.8V | 3.3-1.8V | 3.3V |
| Width | x8, x16 | x16 | x8, x16 | | x4 | x8 | - |
| Recommended PN | MT48LCxM16xx, MT48LCxM8xx | | MT29FxF08xx, MT29FxF16xx | | MT25 | MT35X | MTFCxx |
| STM Automotive Chipsets | 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 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| | SPC5 32-bit Automotive | | | | | | |
| | SPC58xH | | | | ✓ | ✓ | ✓ |

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