

# Numonyx serial flash for embedded applications

SERIAL FLASH PRODUCT COMPARISON GUIDE							
Product	Power	Erasable Sectors	Temp (C)	Density Range	Speed	Package <sup>1</sup>	Technology
M25P	2.7V-3.6V 2.3V-3.6V	32 KB <sup>1</sup> or 64 KB or 256 KB	-40 to +85	512 Kb to 128 Mb	50MHz 75MHz	SO8N/W MLP8 TSSOP8	0.11um 0.13um 0.15um
M25PE M45PE	2.7V-3.6V 2.3V-3.6V	256 B 4 KB <sup>2</sup> 64 KB	-40 to +85	1 Mb to 16 Mb	33MHz 50MHz	SO8N/W MLP8	0.11um 0.15um
M25PX	2.7V-3.6V	4 KB 64 KB	-40 to +85	8 Mb to 64 Mb	75MHz- (Dual I/O)	SO8W/N SO16 MLP8	0.11um

<sup>1</sup> M25P05 and M25P10 erase sector = 32 KB; M25P20-M25P64 erase sector = 64 KB; M25P128 erase sector = 256 KB

<sup>2</sup> Not available for M45PE.

Not all densities available in all packages.

Some densities are available in Automotive range.

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SERIAL FLASH PRODUCT OVERVIEW								
512 Kb	1 Mb	2 Mb	4 Mb	8 Mb	16 Mb	32 Mb	64 Mb	128 Mb
M25P Family for Code Storage – SPI – up to 75MHz								
M25P05	M25P10	M25P20	M25P40	M25P80	M25P16	M25P32	M25P64	M25P128
SO8N MLP8 5X6 TSSOP8 MLP 2x3	SO8N MLP8 5X6 MLP 2x3	SO8N MLP8 5X6	SO8N SO8W MLP8 5X6	SO8N SO8W MLP8 5X6	SO8N SO8W SO16W MLP8 5X6	SO8W SO16W MLP8 6X8	SO16W MLP8 6X8	SO16W MLP8 6X8
M25PE Family - SPI Pinout Standard – 50MHz								
	M25PE10	M25PE20	M25PE40	M25PE80	M25PE16			
	SO8N MLP8 5X6	SO8N MLP8 5X6	SO8W MLP8 5X6	SO8W SO8N MLP8 5X6	SO8W MLP8 5X6			
M45PE Family - SPI Pinout Specific – 50MHz								
	M45PE10	M45PE20	M45PE40	M45PE80	M45PE16			
	SO8N MLP8 5X6	SO8N MLP8 5X6	SO8W SO8N MLP8 5X6	SO8W SO8N MLP8 5X6	SO8W MLP8 5X6			
M25PX New family – Dual I/O SPI 4 Kb and 64 Kbytes – 75MHz-150MHz								
				M25PX08	M25PX16	M25PX32	M25PX64	
				SO8W SO16W MLP8 5X6	SO8W SO16W MLP8 5X6	SO8W SO16W MLP8 5X6	SO16W MLP8 6X8	

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