

Numonyx® Forté™ serial flash for embedded applications

Five comprehensive product families to meet any design requirement

FORTÉ SERIAL FLASH PRODUCT COMPARISON GUIDE							
Product Family	Power	Erasable Sectors	Temp (°C)	Density Range	Speed	Package ⁴	Technology
Forté™ N25Q	2.7V-3.6V; 1.7V-2.0V	4 kB x 4 Mb; 64 kB Uniform	-40 to +85	128 Mb	108MHz	MLP8, SO16W, TBGA24	65nm
Forté™ M25P	2.3V-3.6V	32 kB or 64 kB or 256 kB ¹	-40 to +85 ³	512 kB - 128 Mb	50MHz, 75MHz	SO8N, SO8W, SO16W, MLP8, PDIP8	65nm, 110nm, 150nm
Forté™ M25PX	2.3V-3.6V	4 kB, 64 kB	-40 to +85	8 Mb - 64 Mb	75MHz (Dual I/O)	SO8N, SO8W, SO16W, MLP8, PDIP8, TBGA24	110nm
Forté™ M25PE Forté™ M45PE	2.7V-3.6V	256 B, 4 KB ² , 64 KB	-40 to +85	1 Mb - 16 Mb	75MHz	SO8N, SO8W, MLP8	110nm

FORTÉ SERIAL FLASH PACKAGING OVERVIEW BY DENSITY									
Product Family	512 Kb	1 Mb	2 Mb	4 Mb	8 Mb	16 Mb	32 Mb	64 Mb	128 Mb
Forté™ N25Q									MLP8 (6x8mm), SO16W, TBGA24
Forté™ M25P	SO8N, MLP8 (5X6), MLP8 (2x3)	SO8N, MLP8 (5X6), MLP8 (2x3)	SO8N, MLP8 (5X6), MLP8 (2x3)	SO8N, SO8W, MLP8 (5X6), MLP8 (2x3), MLP (3x4)	SO8N, SO8W, MLP8 (5X6), PDIP8, MLP (3x4)	SO8N, SO8W, SO16W, MLP8 (5X6), MLP8 (6x8), PDIP8, MLP (3x4)	SO8W, SO16W, MLP8 (5X6), MLP8 (6X8)	SO16W, MLP8 (6X8)	SO16W, MLP8 (6X8)
Forté™ M25PX					SO8N, SO8W, MLP8 (5X6), PDIP8	SO8W, MLP8 (5X6), SO8N, TBGA24	SO8W, SO16W, MLP8 (5X6), TBGA24	SO16W, MLP8 (6X8), TBGA24	
Forté™ M25PE		SO8N, MLP8 (5X6)	SO8N, MLP8 (5X6), SO8W	SO8W, MLP8 (5X6), SO8N, MLP (3x4)	SO8W, SO8N, MLP8 (5X6)	SO8W, MLP8 (5X6)			
Forté™ M45PE		SO8N, MLP8 (5X6)	SO8N, MLP8 (5X6)	SO8N, SO8W, MLP8 (5X6)	SO8N, SO8W, MLP8 (5X6)	SO8W, MLP (5X6)			

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

²Not available for M45PE.

³Auto grade up to 125 °C

⁴Not all densities available in all packages. See packaging overview table.