

Numonyx NAND memory solutions

Meeting low to high density demands in wireless and embedded applications

PRODUCT OVERVIEW									
Product	Core Voltage	I/O Voltage	Page Size	Density Range	SLC MLC	Read Spec	Write Spec	Erase Spec	Package Options
SLC small page	1.8V - 3V	1.8V - 3V	512B	128 Mb - 512 Mb	SLC	18.1 MB/s	2.3 MB/s	8.1 MB/s	TSOP, VFBGA, KGD
SLC large page	1.8V - 3V	1.8V - 3V	2kB	1 Gb - 8 Gb	SLC	38.1 MB/s cache read	13.2 MB/s Multiplane	171.9 MB/s Multiplane	TSOP, VFBGA, KGD
SLC very large page	3V	3V	4kB	8 Gb - 64 Gb	SLC	38.1 MB/s cache read	19.6 MB/s Multiplane	343.8 MB/s Multiplane	TSOP, LLGA, KGD
MLC large page	3V	3V	4kB	16 Gb	MLC	38.1 MB/s Multiplane cache read	10.3 MB/s Multiplane cache prog	421.9 MB/s Multiplane	TSOP, KGD
CompactFlash* card	3V - 5V	3V - 5V	2kB	64MB - 4GB	SLC	22.5 MB/s Sustained read	15 MB/s Sustained write	-	Flash Card
eMMC*	1.8V - 3V	1.8V - 3V	-	2Gb - 1GB	SLC single channel	12 MB/s	6.5 MB/s	-	LBGA, LFBGA
eMMC*	3V	1.8V - 3V	-	2GB - 32GB	MLC single channel	14 MB/s	8 MB/s	-	LBGA, LFBGA
eMMC*	3V	1.8V - 3V	-	2GB - 32GB	MLC dual Channel	28.5 MB/s	16 MB/s	-	LBGA, LFBGA
OneNAND™ compatible memory	1.8V	1.8V	2kB	1 Gb - 4 Gb	SLC/MLC	68 MB/s	9 MB/s	-	VFBGA