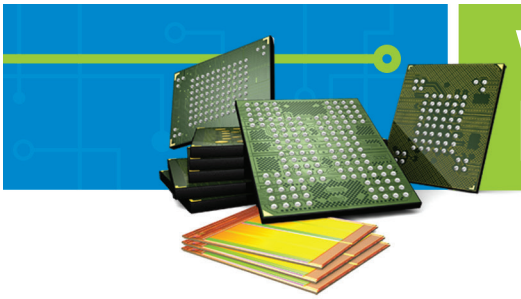

Which NAND solution is best for my design?

Micron offers a full line of high-performance memory solutions—from SLC, MLC, TLC and serial NAND to multichip packages (MCPs), e.MMC, eUSB, and SSDs—for a variety of applications. And we work with chipset vendors, OS designers, and other enablers to ensure that they're optimized for your design.

Technology	Relative Attributes				
	Endurance	ECC Compatibility	Performance	Price/GB	Interface Complexity
Single-Level Cell (SLC)	••••	•	•••	$$$	••
Serial (SPI) NAND	••••	None[2]	•••	$$$	•
Enterprise NAND – SLC[1]	••••	••••	••	$$$$	••••
Enterprise NAND – MLC[1]	•••	••••	•	$$$	••••
Multi-Level Cell (MLC)	••	••	••	$$	•••
Triple-Level Cell (TLC)	•	•••	•	$	•••
MCPs – NAND with DRAM	•••	•	•••	$$$	••
e.MMC	••	None	••	$$	•
Embedded USB (eUSB)	••••	None[2]	•••	$$$$	•
SSD	••••	None	•••	$$$$	•

• = Lower; •• = Medium; ••• = High; •••• = Highest
Notes: 1. Requires enhanced ECC and relaxed timings. 2. ECC circuit and processing built in.

Technology	NAND Suitability by Application									
	Card/ USBs[3]	Media Players	Cameras (DSC, DVC)	Mobile Handsets	Portable Navigation	Automotive	Enterprise/ Industrial	Medical	Networking	STB/ DTV
SLC NAND, SPI NAND	•	•	•	•		•	•	•	•	•
MLC, TLC NAND	•	•		•	•		•			
Enterprise NAND							•			•
e.MMC		•	•	•	•	•	•	•	•	•
MCPs (NAND + DRAM)				•		•				
Embedded USB (eUSB)							•		•	
SSDs	•	•	•	•	•	•	•		•	•

Note: 3. Performance-dependent.

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Rev. E 3/17 CCMMD-676576390-1010