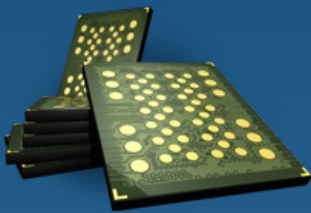


Managed NAND

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Our managed NAND solutions provide reduced ECC complexity, better system performance, improved reliability, easy integration, and lower overall system costs.



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Reducing NAND ECC Complexities

The increasingly complex ECC and data-management requirements of NAND Flash can be challenging for embedded designers. Our fully managed and ECC-free NAND devices help make technology transitions nearly seamless by handling media management and error correction code (ECC) internally. Managed NAND frees the host controller for increased speed and system performance—and saves significant resources that would otherwise go to hardware and software development. Our standardized packages also ease the design process, helping reduce time-to-market.

Overview	Benefits	Densities	Interface	Supply Voltages
» e-MMC Memory	<ul style="list-style-type: none"> Single-package solution for designers looking for MMC-like application-to-application interoperability We offer e-MMC solutions in a variety of densities and options 	2GB–64GB	JEDEC-standard, compliant with the 4.41 MMC specification	3.3 V _{CC} (3.3V/1.8V V _{CCQ})
» Embedded USB	<ul style="list-style-type: none"> Reliable in harsh environments Cost-effective Small size 	2GB–16GB	USB 2.0	5V/3.3V
» ClearNAND	<ul style="list-style-type: none"> Standard interface enables a high degree of compatibility Integrated controller offloads ECC from the host, easing design complexity ONFI-compatible 	8GB–64GB	ONFI NAND	3.3V

Selecting a Flash Storage Solution

Our new [NOR/NAND Flash Guide: Selecting a Flash Storage Solution](#) tool can help you choose the right NOR Flash device for your design.

» [Download the Guide](#)

ONFI Advantages

The Open NAND Flash Interface (ONFI) is a collaboration among Micron and many other NAND Flash suppliers, controller manufacturers, and designers with the goal of developing open standards for the interface used to communicate with NAND Flash memory.

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