NOR Flash

NOR flash devices, available in densities up to 2Gb, are primarily used for reliable code storage (boot, application, OS, and execute-in-place [XIP] code in an embedded system) and frequently changing small data storage. NOR flash provides systems with the fastest bootable memory solution, is easy to implement, and requires minimal ongoing management due to the underlying cell structure. Because of the cell structure, NOR flash is inherently more reliable than other solutions.

Find the right NOR Flash products for your design

NOR Cross Reference Tool

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By Technology

Technology	Benefits	Densities	Configurations	Supply Voltages
Parallel NOR Flash	Leading edge Parallel NOR in the Industry Industry-standard densities	128Mb-1Gb	Page Mode	3.0V Vdd 1.8V VI/O 3.0V VI/O
Serial NOR Flash	166 MHz SDR 90MHz DTR low pin count	128Mb-2Gb		1.8V 3.0V
Xccela™ Flash	Read throughput as high as 400 MB/s Random access times as fast as 83ns 3X-reduced footprint BGA and SOIC packages Backward-compatible with SPI NOR flash ecosystems	512Mb-2Gb		1.8V 3.0V

Resources

Product Information

Nonvolatile Memory Security*

Manufacturers around the world must protect their intellectual property (IP) in everything from consumer electronics to wired and wireless communications equipment.

Updated: 12/01/2015

eMMC
Managed NAND
NAND Flash
NOR Flash

Brief/Flyer

NOR | NAND Flash Guide: Selecting a Flash Memory Solution for Embedded Applications

This guide describes the various flash technologies offered by Micron to help system designers select the optimal flash solution for their needs.

File Type: PDF **Updated:** 12/12/2017

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Customer Service Note | Data Sheet | Part Numbering Guide
Sim Model | Software Driver | Technical Note

SEARCH NOR FLASH RESOURCES BY TYPE

NOR Cross Reference Tool

To find the right NOR Flash products for your design, use our interactive search tool.

FIND YOUR NOR FLASH PRODUCT

Featured Video

Your Connected World

Manage power, performance, form factor, cost, security, and reliability with Micron products to nail the right memory solution for your embedded application.

Bare Die Options

If your design requires a small form factor and higher memory density, check out the superior flexibility of our bare die solutions.

LEARN MORE

Product Lifecycle Solutions

Micron's Product Lifecycle Solutions bring the stability of our memory support in alignment with the lifecycle of your design. Depending on your specific requirements, choose between our standard lifecycle support and the extended support of our Product Longevity Program (PLP).

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