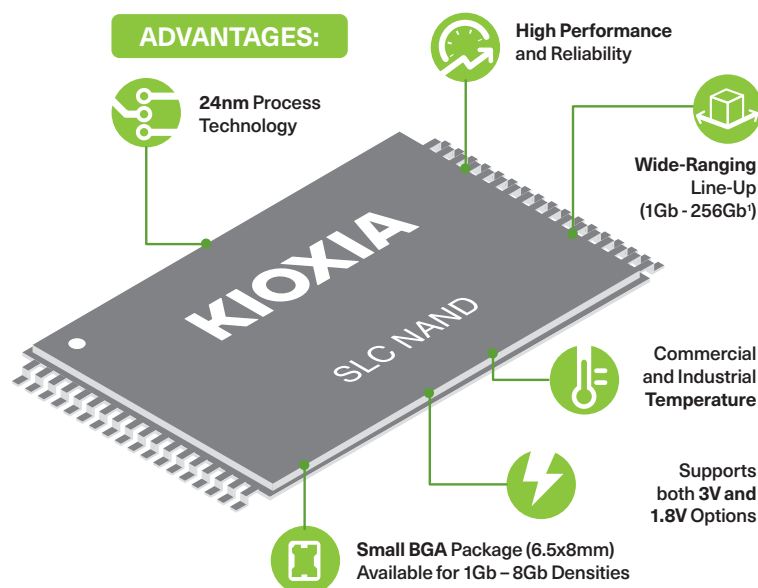
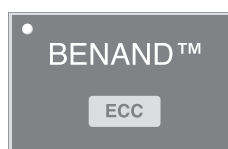
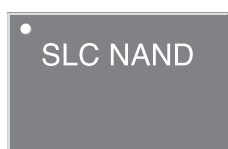


SLC NAND: Reliable, High-Performing, Low-Density NAND

KIOXIA delivers flash-based products for next-generation storage applications. Having invented NAND flash over 30 years ago, KIOXIA is now one of the world's largest flash memory suppliers – and continues to move the technology forward.

What is SLC NAND?

Single-level cell (SLC) NAND flash memory is the original NAND architecture. A 1-bit-per-cell, non-volatile memory, SLC provides the high endurance that makes it ideally suited for a variety of consumer and industrial applications where longevity of supply is important.



PARALLEL INTERFACE:

Available as raw **SLC NAND** or as **BENAND™** (Built-in ECC NAND). BENAND is SLC NAND with an internal hardware error correction code (ECC) engine, which removes the burden of ECC from the host processor.

KEY FEATURES:

SLC's main advantages over MLC, TLC and QLC include: ability to read and write data at low latency, support high-write/erase cycle endurance, and offer I-temp availability.

SLC NAND	BENAND™
- Available in 1, 2, 4, 8, 16, 32, 64, 128, and 256 Gb densities 63 BGA, 67 BGA, TSOP, 132 BGA packages - Package line-up differs by product density - C-Temp and I-Temp	- Built-in ECC - Uses common NAND interface - No hardware change necessary - Available in 1, 2, 4, and 8 Gb densities at 24nm 63 BGA, 67 BGA, and TSOP packages

APPLICATIONS



Digital TVs



Set-top boxes



Printers



POS



Smart Speaker



Toys/Games



Robots



Smart Meters



M2M Modules



GPON Modules



IoT



Surveillance Cameras



Wearables



Medical



"SLC NAND continues to play an important role in a diverse range of consumer and industrial applications. KIOXIA is one of the world's largest suppliers of SLC NAND - and one of the few that are committed to continuing to develop and support it long term."

- Julie Martin, Senior Manager of Business Development, KIOXIA

BENAND is a trademark of KIOXIA Corporation.

[1] Product density is identified based on the density of memory chip(s) within the Product, not the amount of memory capacity available for data storage by the end user. Consumer-usable capacity will be less due to overhead data areas, formatting, bad blocks, and other constraints, and may also vary based on the host device and application. For details, please refer to applicable product specifications. The definition of 1Gb = 2³⁰ bits = 1,073,741,824 bits. The definition of 1GB = 2³⁰ bytes = 1,073,741,824 bytes.

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