



kingston.com/design-in-ssd

Design-In NVMe SSDs

Perfect storage solutions for system designers and builders

Kingston® offers a line of Design-In NVMe solid-state drives created specifically for system designers and builders. The Design-In NVMe line of SSDs includes M.2 2280 and M.2 2230. Design-In SSDs incorporate advanced PCIe Gen 4, NVMe controllers that automatically perform wear-leveling, garbage collection and other vital NAND Flash management features. NVMe SSDs offer a big leap in performance over traditional storage interfaces for applications requiring high throughput and low latency. Design-In SSDs incorporate high speed next-generation 3D NAND Flash.

KEY BENEFITS

System designers and builders rely on consistent storage products. Kingston offers the following benefits with the Design-in SSD product line:

- Controlled BOM and Firmware - Ensures there are no changes to key components after customer qualification.
- PCN Support - All generational changes and firmware updates are handled through a controlled and timed process.

- Engineering Support – Customers have a direct contact to their regional Kingston Field Application Engineering teams for fast response to storage requirement questions and support requests.
- Global Support – Kingston can coordinate SSD deliveries with a customer's Original Design Manufacturers (ODMs) or Contract Manufacturers (CMs) in other regions of the world, if required
- Warranty* — For peace of mind, our Design-in SSDs are backed by a limited three-year warranty and free technical support.

MARKET SEGMENTS



Point of Sale (POS)



Digital Signage



Robotics



Kiosk (Charging Stations, Key Makers, ATM)



Surveillance/Mobile Recording

DESIGN-IN NVMe SSD PART NUMBERS AND SPECIFICATIONS

M.2 PCIe Gen 4	Capacity	NAND	Description
OM8PGP4128P-A0	128GB	TLC	M.2 2280 128GB SSD
OM8SEP4256Q-A0	256GB	TLC	M.2 2280 256GB SSD
OM8SEP4512Q-A0	512GB	TLC	M.2 2280 512GB SSD
OM8SEP41024Q-A0	1024GB	TLC	M.2 2280 1024GB SSD
OM8SEP4512N-A0	512GB	QLC	M.2 2280 512GB SSD
OM8SEP41024N-A0	1024GB	QLC	M.2 2280 1024GB SSD
OM3PGP4128Q-A0	128GB	TLC	M.2 2230 128GB SSD
OM3PGP4256Q-A0	256GB	TLC	M.2 2230 256GB SSD
OM3PGP4512Q-A0	512GB	TLC	M.2 2230 512GB SSD
OM3PGP41024P-A0	1024GB	TLC	M.2 2230 1024GB SSD

For more information

Please contact your Kingston representative. This program is currently available in limited regions but will be expanded gradually.

* Limited warranty based on 3 years or "Percentage Used" which can be found using any available SMART Attribute Reader. For NVMe SSDs, a new unused product will show a Percentage Used value of 0, whereas a product that reaches its warranty limit will show a Percentage Used value of greater than or equal to one hundred (100). See [Kingston.com/wa](https://www.kingston.com/wa) for details.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Kingston:

[OM3PGP41024P-A0](#) [OM8PGP4128P-A0](#) [OM8SEP41024Q-A0](#) [OM8SEP4256Q-A0](#) [OM8SEP4512Q-A0](#)
[OM8SEP41024N-A0](#) [OM8SEP4512N-A0](#)