



kingston.com/design-in-ssd

Design-In SSDs

Perfect storage solutions for system designers and builders

Kingston® offers a line of Design-In SATA and NVMe solid-state drives created specifically for system designers and builders.

The line includes

- SATA 2.5-inch, mSATA, M.2 2242 and M.2 2280
- PCIe Gen. 4 NVMe: M.2 2280, M.2 2230

Design-In SSDs incorporate advanced controllers that automatically perform wear-leveling, garbage collection and other NAND Flash management features. They are a drop-in replacement for hard drives and deliver up to 20x greater performance as well as high reliability. Design-In SSDs incorporate 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 SSD PART NUMBERS AND SPECIFICATIONS

2.5" SATA REV.3	Capacity	Description
OCPOS3128Q-A0	128GB	2.5" 7mm 128GB SSD TLC
OCPOS3256Q-A0	256GB	2.5" 7mm 256GB SSD TLC
OCPOS3512Q-A0	512GB	2.5" 7mm 512GB SSD TLC
OCPOS31024Q-A0	1TB	2.5" 7mm 1TB SSD TLC

mSATA SATA Rev. 3	Capacity	Description
OMSPOS3128Q-00	128GB	mSATA 128GB SSD TLC
OMSPOS3256Q-00	256GB	mSATA 256GB SSD TLC
OMSPOS3512Q-00	512GB	mSATA 512GB SSD TLC

M.2 SATA Rev. 3	Capacity	Description
OM4POS3128Q-A0	128GB	M.2 2242 128GB SSD TLC
OM4POS3256Q-A0	256GB	M.2 2242 256GB SSD TLC
OM4POS3512Q-A0	512GB	M.2 2242 512GB SSD TLC
OM8POS3128Q-A0	128GB	M.2 2280 128GB SSD TLC
OM8POS3256Q-A0	256GB	M.2 2280 256GB SSD TLC
OM8POS3512Q-A0	512GB	M.2 2280 512GB SSD TLC
OM8POS31024Q-A0	1TB	M.2 2280 1TB SSD TLC

M.2 PCIe Gen 4 x4	Capacity	Description
OM8PGP4128P-A0	128GB	M.2 2280 128GB SSD TLC
OM8SEP4256Q-A0	256GB	M.2 2280 256GB SSD TLC
OM8SEP4512Q-A0	512GB	M.2 2280 512GB SSD TLC
OM8SEP41024Q-A0	1024GB	M.2 2280 1024GB SSD TLC
OM8SEP4512N-A0	512GB	M.2 2280 512GB SSD QLC
OM8SEP41024N-A0	1024GB	M.2 2280 1024GB SSD QLC
OM3PGP4128P-A0	128GB	M.2 2230 128GB SSD TLC
OM3PGP4256P-A0	256GB	M.2 2230 256GB SSD TLC
OM3PGP4512P-A0	512GB	M.2 2230 512GB SSD TLC
OM3PGP41024P-A0	1024GB	M.2 2230 1024GB SSD TLC

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 for details.

Mouser Electronics

Authorized Distributor

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Kingston:

[OCP0S31024Q-A0](#) [OCP0S3128Q-A0](#) [OCP0S3256Q-A0](#) [OCP0S3512Q-A0](#) [OM3PGP41024P-A01](#) [OM3PGP4128P-A01](#) [OM3PGP4256P-A01](#) [OM3PGP4512P-A01](#) [OM4P0S3128Q-A0](#) [OM4P0S3256Q-A0](#) [OM4P0S3512Q-A0](#) [OM8P0S31024Q-A0](#) [OM8P0S3128Q-A0](#) [OM8P0S3256Q-A0](#) [OM8P0S3512Q-A0](#) [OM8PGP4128P-A01](#) [OM8SEP41024Q-A01](#) [OM8SEP4256Q-A01](#) [OM8SEP4512Q-A01](#) [OMSP0S3128Q-00](#) [OMSP0S3256Q-00](#) [OMSP0S3512Q-00](#) [OM3PGP41024P-A0](#) [OM3PGP4128P-A0](#) [OM3PGP4256P-A0](#) [OM3PGP4512P-A0](#) [OM8PGP4128P-A0](#) [OM8SEP41024Q-A0](#) [OM8SEP4256Q-A0](#) [OM8SEP4512Q-A0](#)