

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-levelling, 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 direct contact with their regional Kingston Field Application Engineering teams to ensure a 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



Kiosks (charging stations, key makers, ATM)



Surveillance/mobile recording

DESIGN-IN SSD PART NUMBERS AND SPECIFICATIONS

2.5" SATA REV.3	Capacity	Description
OCP0S3128Q-A0	128GB	2.5" 7mm 128GB SSD TLC
OCP0S3256Q-A0	256GB	2.5" 7mm 256GB SSD TLC
OCP0S3512Q-A0	512GB	2.5" 7mm 512GB SSD TLC
OCP0S31024Q-A0	1TB	2.5" 7mm 1TB SSD TLC

mSATA SATA Rev. 3	Capacity	Description
OMSP0S3128Q-00	128GB	mSATA 128GB SSD TLC
OMSP0S3256Q-00	256GB	mSATA 256GB SSD TLC
OMSP0S3512Q-00	512GB	mSATA 512GB SSD TLC

M.2 SATA Rev. 3	Capacity	Description
OM4P0S3128Q-A0	128GB	M.2 2242 128GB SSD TLC
OM4P0S3256Q-A0	256GB	M.2 2242 256GB SSD TLC
OM4P0S3512Q-A0	512GB	M.2 2242 512GB SSD TLC
OM8P0S3128Q-A0	128GB	M.2 2280 128GB SSD TLC
OM8P0S3256Q-A0	256GB	M.2 2280 256GB SSD TLC
OM8P0S3512Q-A0	512GB	M.2 2280 512GB SSD TLC
OM8P0S31024Q-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
OM3PGP4128Q-A0	128GB	M.2 2230 128GB SSD TLC
OM3PGP4256Q-A0	256GB	M.2 2230 256GB SSD TLC
OM3PGP4512Q-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 programme 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.

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