

kingston.com/industrial-ssd

Kingston Industrial SSDs

Perfect storage solutions for system designers and builders

Kingston® offers a high-quality line of Industrial 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
- Capacity Range – 128GB, 256GB, 512GB, 1TB
- Commercial Operating Temperature Range – 0°C~70°C

Kingston Industrial SSDs incorporate advanced controllers that automatically perform wear-leveling, garbage collection and other NAND Flash management features. Kingston's 2.5" SATA SSDs are a drop-in replacement for hard drives and deliver up to 20x greater performance as well as high reliability. Industrial SSDs incorporate next-generation 3D TLC NAND Flash for the best cost and reliability.

KEY BENEFITS

System designers and builders rely on consistent storage products. Kingston offers the following benefits with the Industrial 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 Industrial 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

INDUSTRIAL SSD PART NUMBERS AND SPECIFICATIONS (COMMERCIAL TEMP)

2.5" SATA REV.3	Capacity	Description
0CP0S3128Q-A0	128GB	2.5" 7mm 128GB SSD TLC
0CP0S3256Q-A0	256GB	2.5" 7mm 256GB SSD TLC
0CP0S3512Q-A0	512GB	2.5" 7mm 512GB SSD TLC
0CP0S31024Q-A0	1TB	2.5" 7mm 1TB SSD TLC

mSATA SATA Rev. 3	Capacity	Description
0MSP0S3128Q-00	128GB	mSATA 128GB SSD TLC
0MSP0S3256Q-00	256GB	mSATA 256GB SSD TLC
0MSP0S3512Q-00	512GB	mSATA 512GB SSD TLC

M.2 SATA Rev. 3	Capacity	Description
0M4P0S3128Q-A0	128GB	M.2 2242 128GB SSD TLC
0M4P0S3256Q-A0	256GB	M.2 2242 256GB SSD TLC
0M4P0S3512Q-A0	512GB	M.2 2242 512GB SSD TLC
0M8P0S3128Q-A0	128GB	M.2 2280 128GB SSD TLC
0M8P0S3256Q-A0	256GB	M.2 2280 256GB SSD TLC
0M8P0S3512Q-A0	512GB	M.2 2280 512GB SSD TLC
0M8P0S31024Q-A0	1TB	M.2 2280 1TB SSD TLC

M.2 PCIe Gen 4 x4	Capacity	Description
0M8PGP4128Q-A0	128GB	M.2 2280 128GB SSD TLC
0M8SEP4256Q-A0	256GB	M.2 2280 256GB SSD TLC
0M8SEP4512Q-A0	512GB	M.2 2280 512GB SSD TLC
0M8SEP41024Q-A0	1TB	M.2 2280 1TB SSD TLC
0M8SEP4512N-A0	512GB	M.2 2280 512GB SSD QLC
0M8SEP41024N-A0	1TB	M.2 2280 1TB SSD QLC
0M8PGP42048N-A0	2TB	M.2 2280 2TB SSD QLC
0M3PGP4128Q-A0	128GB	M.2 2230 128GB SSD TLC
0M3PGP4256Q-A0	256GB	M.2 2230 256GB SSD TLC
0M3PGP4512Q-A0	512GB	M.2 2230 512GB SSD TLC
0M3PGP41024P-A0	1TB	M.2 2230 1TB 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.

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