kingston.com/industrial-ssd

Kingston Industrial SSDs

Perfect storage solutions for system designers and builders

Overview (Commercial Temperature SSDs)

Kingston® offers a high-quality line of Industrial Temperature SATA solid-state drives created specifically for system designers and builders requiring increased reliability for harsh environments.

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, 2TB
- 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.

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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 with 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 five-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
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**
OM8PGP4128Q-A0	128GB	M.2 2280 128GB SSD TLC
OM8PGP4256Q-A0	256GB	M.2 2280 256GB SSD TLC
OM8PGP4512Q-A0	512GB	M.2 2280 512GB SSD TLC
OM8PGP41024Q-A0	1TB	M.2 2280 1TB SSD TLC
OM8SGP4256K2-A00	256GB	M.2 2280 256GB SSD TLC
OM8SGP4512K2-A00	512GB	M.2 2280 512GB SSD TLC
OM8SGP41024K2-A00	1TB	M.2 2280 1TB SSD TLC
OM8SGP42048K2-A00	2TB	M.2 2280 2TB SSD TLC
OM8TAP4512K1-A00	512GB	M.2 2280 512GB SSD QLC
OM8TAP41024K1-A00	1TB	M.2 2280 1TB SSD QLC
OM8TAP42048K1-A00	2TB	M.2 2280 2TB SSD QLC
OM3SGP4256K2-A00	256GB	M.2 2230 256GB SSD TLC
OM3SGP4512K2-A00	512GB	M.2 2230 512GB SSD TLC
OM3SGP41024K2-A00	1TB	M.2 2230 1TB SSD TLC
OM3SGP42048K2-A00	2TB	M.2 2230 2TB SSD TLC

For more information

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

Kingston TECHNOLOGY