

Comparison table Industrial SSD program – SATA drives



Name	OCPOS3XXXQ-A0	OM8POS3XXXQ-A0	OM4POS3XXXQ-A0	OMSP0S3XXXQ-00
Capacities¹	128GB — 1TB	128GB — 1TB	128GB — 512GB	128GB — 512GB
Form Factor	2.5"	M.2 2280	M.2 2242	mSATA
Interface	SATA III (6Gbps)	SATA III (6Gbps)	SATA III (6Gbps)	SATA III (6Gbps)
NAND	3D TLC BiCS5	3D TLC BiCS5	3D TLC BiCS5	3D TLC BiCS5
Operating Temperature	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C
Sequential Read/Write (MB/s)²	128GB: 550/370 256GB: 550/480 512GB–1TB: 550/515	128GB: 550/370 256GB: 550/480 512GB–1TB: 550/510	128GB: 550/370 256GB: 550/480 512GB: 550/510	128GB: 550/370 256GB: 550/480 512GB: 550/510
4K Random (IOPS) Read/ Write²	128GB: 43500/82000 256GB: 70000/88500 512GB: 85000/91000 1TB: 85000/92500	128GB: 43500/84000 256GB: 70600/89500 512GB: 87400/92000 1TB: 85900/93000	128GB: 43500/84000 256GB: 70600/89500 512GB: 87400/92000	128GB: 43500/84000 256GB: 70600/89500 512GB: 87400/92000
MTBF	1.5 million hours	1.5 million hours	1.5 million hours	1.5 million hours

BENEFITS OF INDUSTRIAL SSD PROGRAM

- SSD with low capacities and different form factors
- Controlled BOM and firmware
- 90 days PCN
- Engineering support
- 3 year limited warranty

For more information please contact: us_industrial_sales@kingston.com

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Comparison table Industrial SSD Program – NVMe drives



Name	OM8SGP4XXXXK2-A00	OM8SHP5XXXXK2-C00	OM8SGP4XXXXY1-A00	OM3SGP4XXXXK2-A00
Capacities ¹	256GB — 2TB	512GB — 2TB	512GB — 2TB	256GB — 2TB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2230
Interface	PCIe Gen 4x4	PCIe Gen 5x4	PCIe Gen 4x4	PCIe Gen 4x4
NAND	3D TLC BiCS8	3D TLC BiCS8	3D QLC X4-6080	3D TLC BiCS8
Operating Temperature	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C
Sequential Read/Write (MB/s) ²	256GB: 4500/3000 512GB: 7000/5500 1TB–2TB: 7000/6500	512GB: 10000/6000 1TB: 11000/10000 2TB: 11000/10000	512GB: 5000/3500 1TB: 7000/6500 2TB: 7000/6500	256GB: 4500/3000 512GB: 7000/5500 1TB–2TB: 7000/6500
4K Random (IOPS) Read/ Write ²	256GB: 350000/650000 512GB: 650000/700000 1TB: 1000000/800000 2TB: 1000000/1000000	512GB: 700000/1000000 1TB: 1400000/1000000 2TB: 17000000/1000000	512GB: 550000/650000 1TB: 800000/1000000 2TB: 800000/1000000	256GB: 350000/650000 512GB: 650000/700000 1TB: 1000000/800000 2TB: 1000000/1000000
MTBF	2 million hours	2 million hours	2 million hours	2 million hours

BENEFITS OF INDUSTRIAL SSD PROGRAM

- SSD with low capacities and different form factors
- Controlled BOM and firmware
- 90 days PCN
- Engineering support
- 3 year limited warranty

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Comparison table Industrial SSD program - i-Temp drives



Name	OTCS1S3XXXQ-B00	OTM8S1S3XXXQ-B00
Capacities ¹	128GB - 1TB	128GB - 512GB
Form Factor	2.5"	M.2 2280
Interface	SATA III (6Gbps)	SATA III (6Gbps)
NAND	3D TLC BiCS5	3D TLC BiCS5
Operating Temperature	-40°C ~ +85°C	-40°C ~ +85°C
Sequential Read/Write (MB/s) ²	128GB: 480/440 256GB-1TB: 550/500	128GB: 480/440 256GB-512GB: 550/500
4K Random (IOPS) Read/ Write ²	128GB: 38000/72000 256GB: 70000/75000 512GB-1TB: 90000/77000	128GB: 38000/72000 256GB: 70000/75000 512GB: 90000/77000
MTBF	2 million hours	2 million hours

BENEFITS OF INDUSTRIAL I-TEMP SSDS

- SSD with low capacities and different form factors
- Controlled BOM and firmware
- Engineering support
- 90 days PCN
- 5 year limited warranty

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1. Some of the listed capacity on a flash storage device is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products. For more information, go to Kingston's Flash Guide at kingston.com/flashguide.

2. Speed may vary due to host and device configuration.

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