

# Comparison table Industrial SSD program – SATA drives



Name	OCPOS3XXXQ-A0	OM8POS3XXXQ-A0	OM4POS3XXXQ-A0	OMSP0S3XXXQ-00
Capacities <sup>1</sup>	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) <sup>2</sup>	128GB: 550/370 256GB: 550/480 512GB to 1TB: 550/515	128GB: 550/370 256GB: 550/480 512GB to 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/ Write <sup>2</sup>	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

## BENEFITS OF INDUSTRIAL SSD PROGRAM

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

For more information please contact: [us\\_industrial\\_sales@kingston.com](mailto:us_industrial_sales@kingston.com)

To learn more visit our website: [www.kingston.com/industrial-ssd](http://www.kingston.com/industrial-ssd)

## Comparison table Industrial SSD Program – NVMe drives



Name	OM8PGP4XXXQ-A0	OM8PGP4XXXN-A0	OM8SEP4XXXQ-A0	OM8SEP4XXXN-A0	OM3PGP4XXXQ-A0	OM3PGP4XXXP-A0
<b>Capacities</b>	128GB	2TB	256GB - 1TB	512GB - 1TB	128GB — 512GB	1TB
<b>Form Factor</b>	M.2 2280	M.2 2280	M.2 2280	M.2 2280	M.2 2230	M.2 2230
<b>Interface</b>	PCIe Gen4x4	PCIe Gen 4x4	PCIe Gen 4x4	PCIe Gen 4x4	PCIe Gen 4x4	PCIe Gen 4x4
<b>NAND</b>	3D TLC BiCS5	3D QLC Q4128A	3D TLC BiCS5	3D QLC Q4128A	3D TLC BiCS5	3D TLC B47R
<b>Operating Temperature</b>	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C
<b>Sequential Read/Write (MB/s)<sup>2</sup></b>	128GB: 1800/900	2TB: 4000/3600	256GB: 3300/1100 512GB: 3700/2200 1TB: 3700/2680	512GB: 3180/1300 1TB: 3550/2510	128GB: 1800/900 256GB: 3900/1800 512GB: 4700/3400	1TB: 4540/4230
<b>4K Random (IOPS) Read/ Write<sup>2</sup></b>	128GB: 110000/ 210000	2TB: 340000/200000	256GB: 109000/156000 512GB: 178000/156000 1TB: 178000/156000	512GB: 104200/165000 1TB: 187700/167000	128GB: 100000/210000 256GB: 230000/410000 512GB: 460000/690000	1TB: 592600/567700

### 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](mailto:us_industrial_sales@kingston.com)

To learn more visit our website: [www.kingston.com/industrial-ssd](http://www.kingston.com/industrial-ssd)

# Comparison table Industrial SSD program - i-Temp drives



Name	OTCS1S3XXXQ-B00	OTM8S1S3XXXQ-B00
Capacities	128GB - 1TB	128GB - 1TB
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) <sup>2</sup>	128GB: 480/440 256GB - 1TB: 550/500	128GB: 480/440 256GB - 1TB: 550/500
4K Random (IOPS) Read/ Write <sup>2</sup>	128GB: 38000/72000 256GB: 70000/75000 512GB-1TB: 90000/77000	128GB: 38000/72000 256GB: 70000/75000 512GB-1TB: 90000/77000

## BENEFITS OF INDUSTRIAL I-TEMP SSDS

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

For more information please contact: [us\\_industrial\\_sales@kingston.com](mailto:us_industrial_sales@kingston.com)

To learn more visit our website: [www.kingston.com/industrial-ssd](http://www.kingston.com/industrial-ssd)

#KingstonIsWithYou

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](http://kingston.com/flashguide).
2. Speed may vary due to host and device configuration.

THIS DOCUMENT SUBJECT TO CHANGE WITHOUT NOTICE.

©2024 Kingston Technology Corporation, 17600 Newhope Street, Fountain Valley, CA 92708 USA. All rights reserved.  
All trademarks and registered trademarks are the property of their respective owners. MKF-937.4 US



**Kingston**  
TECHNOLOGY