SSD comparison table Design-in program - SATA drives







	SATA drives			
Product Name / Part Number	**OCP0S3XXXQ-A0**	**OM8P0S3XXXQ-A0**	**OM4P0S3XXXQ-A0**	**OMSP0S3XXXQ-00**
Capacities[1]	128GB – 1024GB	128GB – 1024GB	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 to 1024GB: 550/515	128GB: 550/370 256GB: 550/480 512GB to 1024GB: 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[2]	128GB: 43500/82000 256GB: 70000/88500 512GB: 85000/91000 1024GB: 85000/92500	128GB: 43500/84000 256GB: 70600/89500 512GB: 87400/92000 1024GB: 85900/93000	128GB: 43500/84000 256GB: 70600/89500 512GB: 87400/92000	128GB: 43500/84000 256GB: 70600/89500 512GB: 87400/92000

Benefits of Design-in program:

- SSDs with low entry-point capacities and different form factors
- Controlled BOM and firmware
- 90 days PCN
- Dedicated engineering support
- 3-year limited warranty

To learn more, visit our website: www.kingston.com, or contact: eusales@kingston.eu

SSD comparison table Design-in program - NVMe drives






	NVMe drives			
Product Name / Part Number	**OM8PGP4XXXP-A0**	**OM8SEP4XXXXQ-A0**	**OM8SEP4XXXXN-A0**	**OM3PGP4XXXQ-A0**
Capacities[1]	128GB	256GB – 1024GB	512GB – 1024GB	256GB - 512GB
Form Factor	M.2 2280	M.2 2280	M.2 2280	M.2 2230
Interface	PCIe Gen4x4	PCIe Gen4x4	PCIe Gen4x4	PCIe Gen4x4
NAND	3D TLC B47R	3D TLC BICS5	3D QLC Q4128A	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: 2190/980	256GB: 3300/1100 512GB: 3700/2200 1024GB: 3700/2680	512GB: 3180/1300 1024GB: 3550/2510	256GB: 3900/1800 512GB: 4700/3400
4K Random (IOPS) Read / Write[2]	128GB: 106400/249000	256GB: 109000/156000 512GB: 178000/156000 1024GB: 178000/156000	512GB: 104200/165000 1024GB: 187700/167000	256GB: 230000/410000 512GB: 460000/690000

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- Controlled BOM and firmware
- 90 days PCN
- Dedicated engineering support
- 3-year limited warranty

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Information is correct at time of print (November 2022).

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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