

1TB SSD3K0E - Industrial SSD - 2.5 inch SATA III SSD - 3D TLC - Wide Temp - SP010TISSD3K5EW0



Preis auf Anfrage

<https://www.phs-memory.com>

Version: 13.09.2025 10:21

Your benefits

- ✓ verified quality
- ✓ many years of IT competence
- ✓ high availability
- ✓ free support on our hotline
- ✓ fast delivery

100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspections include checks of the components in order to exclude possible errors already in the incoming goods department (Controlled BOM).
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel

Product information

General

Interface	SATA III/6.0Gbps
Flash Technology	3D TLC
Capacity	1TB
Form Factor	2.5 inch
Dimensions	100.4 x 69.9 x 6.8 mm
External DRAM Buffer	No
Manufacturer Part No.	SP010TSSD3K5EW0

Performance

Seq. Performance Read (max.)	540 MB/s
Seq. Performance Write (max.)	520 MB/s
Random 4K Read (IOPS max.)	29,000
Random 4K Write (IOPS max.)	85,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3000
TBW	2,209TB

Operating Environment

Operating Temperature	-40°C~85°C
Storage Temperature	-55°C~95°C
Operating Humidity	10%~95% (30°C Max. Wet Bulb Temp)
Vibration	20G, 10~2000Hz
Drop	75cm
Shock	1,500G@0.5ms

Power Consumption

Power Requirement	DC 5.0V
Power Operation (max.)	340 mA
Power Idle / Standby	85 mA

Key Features

Advanced Power Shield	Yes
AES-256	Yes
Thermal Throttling	Yes
DEVSLP	Optional
S.M.A.R.T	Yes

EAN	4713436164548
------------	---------------

manufacturer	Silicon Power
---------------------	---------------

Other possible options

Product	SKU	Brand	Reference no.
64GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP064GISSD3K5EV0	SP596267	Silicon Power	SP064GISSD3K5EV0
128GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP128GISSD3K5EV0	SP596268	Silicon Power	SP128GISSD3K5EV0
256GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP256GISSD3K5EV0	SP596269	Silicon Power	SP256GISSD3K5EV0
512GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP512GISSD3K5EV0	SP596270	Silicon Power	SP512GISSD3K5EV0
1TB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP010TISSD3K5EV0	SP596271	Silicon Power	SP010TISSD3K5EV0
2TB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP020TISSD3K5EV0	SP596272	Silicon Power	SP020TISSD3K5EV0
64GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP064GISSD3K5EW0	SP596273	Silicon Power	SP064GISSD3K5EW0
128GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP128GISSD3K5EW0	SP596274	Silicon Power	SP128GISSD3K5EW0
256GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP256GISSD3K5EW0	SP596275	Silicon Power	SP256GISSD3K5EW0
512GB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP512GISSD3K5EW0	SP596276	Silicon Power	SP512GISSD3K5EW0
1TB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP010TISSD3K5EW0	SP596277	Silicon Power	SP010TISSD3K5EW0
2TB SSD3K0E - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP020TISSD3K5EW0	SP596278	Silicon Power	SP020TISSD3K5EW0

Contact Information

PHS-electronic gmbh
- www.phs-memory.com -
Karl-Götz-Str. 5
97424 Schweinfurt
Germany

Phone: +49 9721 784678
E-Mail: info@phs-memory.com
Web: www.phs-memory.com

All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at <https://www.phs-memory.com>