

1TB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP010TIMDC3K5EW0



Preis auf Anfrage

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

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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	M.2 2280 (B+M key)
Dimensions	80.0 x 22.0 x 3.5 mm
External DRAM Buffer	No
Manufacturer Part No.	SP010TIMDC3K5EW0

Performance

Seq. Performance Read (max.)	540 MB/s
Seq. Performance Write (max.)	515 MB/s
Random 4K Read (IOPS max.)	49,000
Random 4K Write (IOPS max.)	70,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3,000
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 3.3V
Power Operation (max.)	330 mA
Power Idle / Standby	56 mA

Key Features

Advanced Power Shield	Yes
AES-256	Yes
Thermal Throttling	Yes
DEVSLP	Optional
S.M.A.R.T	Yes
Write Protect	Optional
Quick Erase	Optional
DAP	Yes
FWxpress	Yes

EAN	4713436160000
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manufacturer	Silicon Power
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Other possible options

Product	SKU	Brand	Reference no.
2TB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - SP020TIMDC3K5EV0	SP597196	Silicon Power	SP020TIMDC3K5EV0
1TB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - SP010TIMDC3K5EV0	SP597195	Silicon Power	SP010TIMDC3K5EV0
512GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - SP512GIMDC3K5EV0	SP597194	Silicon Power	SP512GIMDC3K5EV0
256GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - SP256GIMDC3K5EV0	SP597193	Silicon Power	SP256GIMDC3K5EV0
128GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - SP128GIMDC3K5EV0	SP597192	Silicon Power	SP128GIMDC3K5EV0
64GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - SP064GIMDC3K5EV0	SP597191	Silicon Power	SP064GIMDC3K5EV0
2TB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP020TIMDC3K5EW0	SP597204	Silicon Power	SP020TIMDC3K5EW0
1TB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP010TIMDC3K5EW0	SP597203	Silicon Power	SP010TIMDC3K5EW0
512GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP512GIMDC3K5EW0	SP597202	Silicon Power	SP512GIMDC3K5EW0
256GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP256GIMDC3K5EW0	SP597201	Silicon Power	SP256GIMDC3K5EW0
64GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP064GIMDC3K5EW0	SP597199	Silicon Power	SP064GIMDC3K5EW0
128GB MDC3K0E - Industrial SSD - 3D TLC - M.2 2280 (B+M Key) - SATA III - Wide Temp - SP128GIMDC3K5EW0	SP597200	Silicon Power	SP128GIMDC3K5EW0

Contact Information

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Product Datasheet | SP597203

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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>