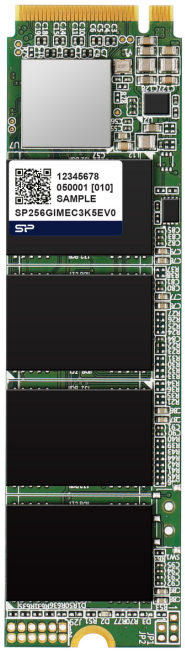
256GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEC3K5EV0



Preis auf Anfrage

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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

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Product information

General

Interface	PCIe Gen3x4, NVMe 1.4
Flash Technology	3D TLC
Capacity	256GB
Form Factor	M.2 2280 (M key)
Dimensions	80.0 x 22.0 x 3.5
External DRAM Buffer	No
Manufacturer Part No.	SP256GIMEC3K5EV0

Performance

Seq. Performance Read (max.)	2,570 MB/s
Seq. Performance Write (max.)	2,030 MB/s
Random 4K Read (IOPS max.)	270,000
Random 4K Write (IOPS max.)	262,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3,000
TBW	615 TB

Operating Environment

Operating Temperature	-20°C~75°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.)	1810 mA
Power Idle / Standby	280 mA

Key Features

Advanced Power Shield	Yes
End-to-End Data Protection	Yes
Thermal Throttling	Yes
DEVSLP	Yes
S.M.A.R.T	Yes
Write Protect	Optional
Quick Erase	Optional
DAP	Yes
FWxpress	Yes

EAN	4713436137894
manufacturer	Silicon Power

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Other possible options

Product	SKU	Brand	Reference no.
2TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP020TIMEC3K5EV0	SP595699	Silicon Power	SP020TIMEC3K5EV0
1TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP010TIMEC3K5EV0	SP595698	Silicon Power	SP010TIMEC3K5EV0
512GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP512GIMEC3K5EV0	SP595697	Silicon Power	SP512GIMEC3K5EV0
256GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEC3K5EV0	SP595696	Silicon Power	SP256GIMEC3K5EV0
128GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP128GIMEC3K5EV0	SP595695	Silicon Power	SP128GIMEC3K5EV0

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