phs memory®

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

phs memory®

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

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

Other possible options

Product	SKU	Brand	Reference no.
128GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP128GIMEC3K5EV0	SP595695	Silicon Power	SP128GIMEC3K 5EV0
256GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEC3K5EV0	SP595696	Silicon Power	SP256GIMEC3K 5EV0
512GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP512GIMEC3K5EV0	SP595697	Silicon Power	SP512GIMEC3K 5EV0
1TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP010TIMEC3K5EV0	SP595698	Silicon Power	SP010TIMEC3K 5EV0
2TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP020TIMEC3K5EV0	SP595699	Silicon Power	SP020TIMEC3K 5EV0

Contact Information

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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.es