phs memory®

128GB MEC3M0R - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP128GIMEC3M5RW0

phs memory®

Preis auf Anfrage

https://www.phs-memory.es
Version: 27.02.2026 07:27

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

phs memory®

Product information

General

Interface	PCIe Gen4x4, NVMe 2.0
Flash Technology	3D TLC
Capacity	128GB
Form Factor	M.2 2280 (M key)
Dimensions	80.0 x 22.0 x 3.5 mm
External DRAM Buffer	No
Manufacturer Part No.	SP128GIMEC3M5RW0

Performance

Seq. Performance Read (max.)	4,600 MB/s
Seq. Performance Write (max.)	4,300 MB/s
Random 4K Read (IOPS max.)	845,000
Random 4K Write (IOPS max.)	644,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3,000
TBW	321TB

Operating Environment

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

Power Consumption

Power Requirement	DC 3.3V
Power Operation (max.)	1650mA
Power Idle / Standby	220mA

Key Features

Power Failure Protection (PFP)	Yes
Advanced Power Shield	Yes
End-to-End Data Protection	Yes
TCG Opal 2.0	Yes
AES-256	
Thermal Throttling	Yes
DEVSLP	Yes
S.M.A.R.T	
Write Protect	Optional
Quick Erase	Optional
DAP	Yes
FWxpress	Yes

EAN	4713436161653

manufacturer	Silicon Power

Other possible options

Product	SKU	Brand	Reference no.
128GB MEC3M0R - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP128GIMEC3M5RW0	SP595254	Silicon Power	SP128GIMEC3M 5RW0
256GB MEC3M0R - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP256GIMEC3M5RW0	SP595255	Silicon Power	SP256GIMEC3M 5RW0
512GB MEC3M0R - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP512GIMEC3M5RW0	SP595256	Silicon Power	SP512GIMEC3M 5RW0
1TB MEC3M0R - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP010TIMEC3M5RW0	SP595257	Silicon Power	SP010TIMEC3M 5RW0
2TB MEC3M0R - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP020TIMEC3M5RW0	SP595258	Silicon Power	SP020TIMEC3M 5RW0

Contact Information

PHS-electronic gmbh
- www.phs-memory.es -
Karl-Götz-Str. 5
97424 Schweinfurt
Alemania

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

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