phs memory®

2TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP020TIMEC3M5EV0

phs memory®

Preis auf Anfrage

https://www.phs-memory.it
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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 Gen4x4, NVMe 2.0
Flash Technology	3D TLC
Capacity	2TB
Form Factor	M.2 2280 (M key)
Dimensions	80.0 x 22.0 x 3.5 mm
External DRAM Buffer	No
Manufacturer Part No.	SP020TIMEC3M5EW0

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	5,137 TB

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 p-p, 10~2000Hz
Drop	75cm
Shock	1,500G@0.5ms

Power Consumption

Power Requirement	DC 3.3V
Power Operation (max.)	1670mA
Power Idle / Standby	220mA

Key Features

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

EAN	4713436154495
manufacturer	Silicon Power

Other possible options

Product	SKU	Brand	Reference no.
128GB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP128GIMEC3M5EV0	SP596069	Silicon Power	SP128GIMEC3M5EV0
512GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP512GIMEA3M5EW0	SP596070	Silicon Power	SP128GIMEC3M5EW0
256GB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP256GIMEC3M5EV0	SP596071	Silicon Power	SP256GIMEC3M5EV0
256GB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP256GIMEC3M5EW0	SP596072	Silicon Power	SP256GIMEC3M5EW0
512GB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP512GIMEC3M5EV0	SP596073	Silicon Power	SP512GIMEC3M5EV0
256GB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP512GIMEC3M5EW0	SP596074	Silicon Power	SP512GIMEC3M5EW0
1TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP010TIMEC3M5EV0	SP596075	Silicon Power	SP010TIMEC3M5EV0
1TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP010TIMEC3M5EW0	SP596076	Silicon Power	SP010TIMEC3M5EW0
2TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP020TIMEC3M5EV0	SP596077	Silicon Power	SP020TIMEC3M5EV0
2TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP020TIMEC3M5EW0	SP596078	Silicon Power	SP020TIMEC3M5EW0
4TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP040TIMEC3M5EV0	SP596079	Silicon Power	SP040TIMEC3M5EV0
4TB MEC3M0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP040TIMEC3M5EW0	SP596118	Silicon Power	SP040TIMEC3M5EW0

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.it