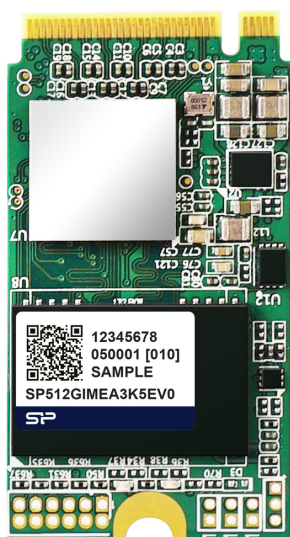


512GB MEA3K0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP512GIMEA3K5EV0



Preis auf Anfrage

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

Version: 30.08.2025 00:46

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	512GB
Form Factor	M.2 2242 (M key)
Dimensions	42.0 x 22.0 x 3.5 mm
External DRAM Buffer	No
Manufacturer Part No.	SP512GIMEA3K5EVO

Performance

Seq. Performance Read (max.)	3,100 MB/s
Seq. Performance Write (max.)	2,030 MB/s
Random 4K Read (IOPS max.)	284,000
Random 4K Write (IOPS max.)	283,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3,000
TBW	1,233 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.)	1890 mA
Power Idle / Standby	170 mA

Key Features

Advanced Power Shield	Yes
End-to-End Data Protection	Yes
Thermal Throttling	Yes
DEVSLP	Yes
Write Protect	Optional
Quick Erase	Optional
DAP	Yes
FWxpress	Yes

EAN	4713436147510
manufacturer	Silicon Power

Other possible options

Product	SKU	Brand	Reference no.
1TB MEA3K0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP010TIMEA3K5EV0	SP595703	Silicon Power	SP010TIMEA3K5EV0
512GB MEA3K0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP512GIMEA3K5EV0	SP595702	Silicon Power	SP512GIMEA3K5EV0
256GB MEA3K0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEA3K5EV0	SP595701	Silicon Power	SP256GIMEA3K5EV0
128GB MEA3K0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP128GIMEA3K5EV0	SP595700	Silicon Power	SP128GIMEA3K5EV0

Contact Information

PHS-electronic gmbh
- www.phs-memory.com -
Karl-Götz-Str. 5
97424 Schweinfurt
Germany

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

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>