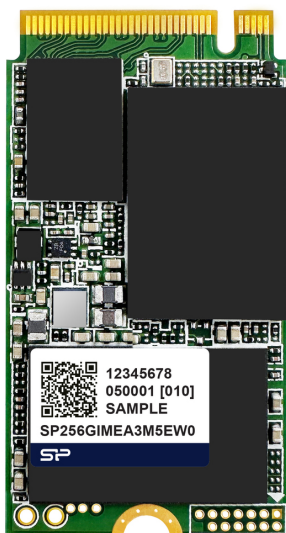


## 256GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP256GIMEA3M5EW0



Preis auf Anfrage

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

Version: 03.09.2025 22:26

### 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              | 256GB                 |
| Form Factor           | M.2 2242 (M key)      |
| Dimensions            | 42.0 x 22.0 x 3.5 mm  |
| External DRAM Buffer  | No                    |
| Manufacturer Part No. | SP256GIMEA3M5EW0      |

### Performance

|                               |                |
|-------------------------------|----------------|
| Seq. Performance Read (max.)  | 4,700 MB/s     |
| Seq. Performance Write (max.) | 4,400 MB/s     |
| Random 4K Read (IOPS max.)    | 858,000        |
| Random 4K Write (IOPS max.)   | 622,000        |
| MTBF @ 25 °C                  | >3,000,000 hrs |
| P/E Cycle                     | 3,000          |
| TBW                           | 642 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      |

|            |               |
|------------|---------------|
| <b>EAN</b> | 4713436160939 |
|------------|---------------|

|                     |               |
|---------------------|---------------|
| <b>manufacturer</b> | Silicon Power |
|---------------------|---------------|

## Other possible options

| Product                                                                                                           | SKU      | Brand         | Reference no.    |
|-------------------------------------------------------------------------------------------------------------------|----------|---------------|------------------|
| 1TB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP010TIMEA3M5EV0               | SP596168 | Silicon Power | SP010TIMEA3M5EV0 |
| 512GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP512GIMEA3M5EW0 | SP596167 | Silicon Power | SP512GIMEA3M5EW0 |
| 512GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP512GIMEA3M5EV0             | SP596166 | Silicon Power | SP512GIMEA3M5EV0 |
| 256GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP256GIMEA3M5EW0 | SP596165 | Silicon Power | SP256GIMEA3M5EW0 |
| 256GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP256GIMEA3M5EV0             | SP596164 | Silicon Power | SP256GIMEA3M5EV0 |
| 128GB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP128GIMEA3M5EV0             | SP596163 | Silicon Power | SP128GIMEA3M5EV0 |
| 2TB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - SP020TIMEA3M5EV0               | SP596170 | Silicon Power | SP020TIMEA3M5EV0 |
| 1TB MEA3M0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen4x4, NVMe 2.0 - Wide Temp - SP010TIMEA3M5EW0   | SP596169 | Silicon Power | SP010TIMEA3M5EW0 |

## 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.fr>