

## 256GB MEA3K0E - Industrial SSD - 3D TLC - M.2 2242 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEA3K5EV0



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 Gen3x4, NVMe 1.4 |
| 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. | SP256GIMEA3K5EV0      |

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                           | 615 TB         |

Operating Environment

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | -20°C~75°C                           |
| Storage Temperature   | -55°C~95°C                           |
| Operating Humidity    | 10%~95%<br>(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          | 4713436147503 |
| 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

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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>