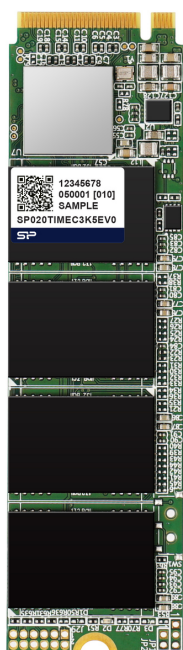


## 2TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP020TIMEC3K5EV0



Preis auf Anfrage

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

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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              | 2TB                   |
| Form Factor           | M.2 2280 (M key)      |
| Dimensions            | 80.0 x 22.0 x 3.5     |
| External DRAM Buffer  | No                    |
| Manufacturer Part No. | SP020TIMEC3K5EV0      |

### Performance

|                               |                |
|-------------------------------|----------------|
| Seq. Performance Read (max.)  | 2,570 MB/s     |
| Seq. Performance Write (max.) | 2,030 MB/s     |
| Random 4K Read (IOPS max.)    | 270,000        |
| Random 4K Write (IOPS max.)   | 262,000        |
| MTBF @ 25 °C                  | >3,000,000 hrs |
| P/E Cycle                     | 3,000          |
| TBW                           | 4,975 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.) | 1810 mA |
| Power Idle / Standby   | 280 mA  |

### Key Features

|                            |          |
|----------------------------|----------|
| Advanced Power Shield      | Yes      |
| End-to-End Data Protection | 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> | 4713436153580 |
|------------|---------------|

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

## Other possible options

| Product                                                                                               | SKU      | Brand         | Reference no.    |
|-------------------------------------------------------------------------------------------------------|----------|---------------|------------------|
| 2TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP020TIMEC3K5EV0   | SP595699 | Silicon Power | SP020TIMEC3K5EV0 |
| 1TB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP010TIMEC3K5EV0   | SP595698 | Silicon Power | SP010TIMEC3K5EV0 |
| 512GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP512GIMEC3K5EV0 | SP595697 | Silicon Power | SP512GIMEC3K5EV0 |
| 256GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEC3K5EV0 | SP595696 | Silicon Power | SP256GIMEC3K5EV0 |
| 128GB MEC3K0E - Industrial SSD - 3D TLC - M.2 2280 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP128GIMEC3K5EV0 | SP595695 | Silicon Power | SP128GIMEC3K5EV0 |

## 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>