

# 64GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - Wide Temp - SP064GIMEM3K5EWE



Preis auf Anfrage

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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 Gen3x1, NVMe 1.4 |
| Flash Technology      | 3D TLC                |
| Capacity              | 64GB                  |
| Form Factor           | M.2 2230 (E key)      |
| Dimensions            | 30.0 x 22.0 x 3.5 mm  |
| External DRAM Buffer  | No                    |
| Manufacturer Part No. | SP064GIMEM3K5EWE      |

### Performance

|                               |                |
|-------------------------------|----------------|
| Seq. Performance Read (max.)  | 890 MB/s       |
| Seq. Performance Write (max.) | 880 MB/s       |
| Random 4K Read (IOPS max.)    | 140,000        |
| Random 4K Write (IOPS max.)   | 200,000        |
| MTBF @ 25 °C                  | >3,000,000 hrs |
| P/E Cycle                     | 3000           |
| TBW                           | 154 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, 10~2000Hz                    |
| Drop                  | 75cm                              |
| Shock                 | 1,500G@0.5ms                      |

### Power Consumption

|                        |         |
|------------------------|---------|
| Power Requirement      | DC 3.3V |
| Power Operation (max.) | 1420 mA |
| Power Idle / Standby   | 130 mA  |

### Key Features

|                            |     |
|----------------------------|-----|
| Advanced Power Shield      | Yes |
| End-to-End Data Protection | Yes |
| AES-256                    | Yes |
| Thermal Throttling         | Yes |
| DEVSLP                     | Yes |
| S.M.A.R.T                  | Yes |
| DAP                        | Yes |
| FWxpress                   | Yes |

|            |               |
|------------|---------------|
| <b>EAN</b> | 4713436162483 |
|------------|---------------|

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

## Other possible options

| Product                                                                                                           | SKU      | Brand         | Reference no.    |
|-------------------------------------------------------------------------------------------------------------------|----------|---------------|------------------|
| 64GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - SP064GIMEM3K5EWE              | SP596181 | Silicon Power | SP064GIMEM3K5EVE |
| 64GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - Wide Temp - SP064GIMEM3K5EWE  | SP596185 | Silicon Power | SP064GIMEM3K5EWE |
| 128GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP128GIMEM3K5EV0             | SP596189 | Silicon Power | SP128GIMEM3K5EV0 |
| 128GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - SP128GIMEM3K5EVE             | SP596182 | Silicon Power | SP128GIMEM3K5EVE |
| 128GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - Wide Temp - SP128GIMEM3K5EWE | SP596186 | Silicon Power | SP128GIMEM3K5EWE |
| 256GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP256GIMEM3K5EV0             | SP596190 | Silicon Power | SP256GIMEM3K5EV0 |
| 256GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - SP256GIMEM3K5EVE             | SP596183 | Silicon Power | SP256GIMEM3K5EVE |
| 256GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - Wide Temp - SP256GIMEM3K5EWE | SP596187 | Silicon Power | SP256GIMEM3K5EWE |
| 512GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (M Key) - PCIe Gen3x4, NVMe 1.4 - SP512GIMEM3K5EV0             | SP596191 | Silicon Power | SP512GIMEM3K5EV0 |
| 512GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - SP512GIMEM3K5EVE             | SP596184 | Silicon Power | SP512GIMEM3K5EVE |
| 512GB MEM3K0E - Industrial SSD - 3D TLC - M.2 2230 (E Key) - PCIe Gen3x1, NVMe 1.4 - Wide Temp - SP512GIMEM3K5EWE | SP596188 | Silicon Power | SP512GIMEM3K5EWE |

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## Product Datasheet | SP596185

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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.es>