

## 256GB SSD350S - Industrial SSD - 2.5 inch SATA III SSD - 3D TLC - Wide Temp - SP256GISSD355SW0



Preis auf Anfrage

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

Version: 06.09.2025 07:03

### 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             | SATA III/6.0Gbps      |
| Flash Technology      | 3D TLC                |
| Capacity              | 256GB                 |
| Form Factor           | 2.5 inch              |
| Dimensions            | 100.4 x 69.9 x 6.8 mm |
| External DRAM Buffer  | Yes                   |
| Manufacturer Part No. | SP256GISSD355SW0      |

### Performance

|                               |                |
|-------------------------------|----------------|
| Seq. Performance Read (max.)  | 560 MB/s       |
| Seq. Performance Write (max.) | 520 MB/s       |
| Random 4K Read (IOPS max.)    | 95,000         |
| Random 4K Write (IOPS max.)   | 91,000         |
| MTBF @ 25 °C                  | >3,000,000 hrs |
| P/E Cycle                     | 3,000          |
| TBW                           | 686 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 5.0V |
| Power Operation (max.) | 700 mA  |
| Power Idle / Standby   | 110 mA  |

### Key Features

|                            |          |
|----------------------------|----------|
| Advanced Power Shield      | Yes      |
| End-to-End Data Protection | Optional |
| TCG Opal 2.0               | Optional |
| AES-256                    | Optional |
| Thermal Throttling         | Yes      |
| DEVSLP                     | Yes      |
| S.M.A.R.T                  | Yes      |

|            |               |
|------------|---------------|
| <b>EAN</b> | 4713436156697 |
|------------|---------------|

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

## Other possible options

| Product                                                                                        | SKU      | Brand         | Reference no.    |
|------------------------------------------------------------------------------------------------|----------|---------------|------------------|
| 64GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP064GISSD355SV0              | SP596246 | Silicon Power | SP064GISSD355SV0 |
| 3.8TB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP038TISSD355SV0             | SP596253 | Silicon Power | SP038TISSD355SV0 |
| 2TB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP020TISSD355SV0               | SP596252 | Silicon Power | SP020TISSD355SV0 |
| 1.9TB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP019TISSD355SV0             | SP596251 | Silicon Power | SP019TISSD355SV0 |
| 1TB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP010TISSD355SV0               | SP596250 | Silicon Power | SP010TISSD355SV0 |
| 512GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP512GISSD355SV0             | SP596249 | Silicon Power | SP512GISSD355SV0 |
| 256GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP256GISSD355SV0             | SP596248 | Silicon Power | SP256GISSD355SV0 |
| 128GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - SP128GISSD355SV0             | SP596247 | Silicon Power | SP128GISSD355SV0 |
| 256GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP256GISSD355SW0 | SP596255 | Silicon Power | SP256GISSD355SW0 |
| 128GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP128GISSD355SW0 | SP596254 | Silicon Power | SP128GISSD355SW0 |
| 2TB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP020TISSD355SW0   | SP596258 | Silicon Power | SP020TISSD355SW0 |
| 1TB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP010TISSD355SW0   | SP596257 | Silicon Power | SP010TISSD355SW0 |
| 512GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp - SP512GISSD355SW0 | SP596256 | Silicon Power | SP512GISSD355SW0 |

## Contact Information

PHS-electronic gmbh  
- [www.phs-memory.it](http://www.phs-memory.it) -  
Karl-Götz-Str. 5  
97424 Schweinfurt  
Germany

Phone: +49 9721 784678  
E-Mail: [info@phs-memory.it](mailto:info@phs-memory.it)  
Web: [www.phs-memory.it](http://www.phs-memory.it)

All information without guarantee. Technical changes and errors excepted. You can find current price information in our online

## Product Datasheet | SP596255

256GB SSD350S - Industrial SSD - 2,5 Zoll SATA III SSD - 3D TLC - Wide Temp -  
SP256GISSD355SW0



shop at <https://www.phs-memory.it>