phs memory®

256GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - Wide Temp - SP256GIMDA3K5EW0

phs memory®

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	SATA III/6.0Gbps
Flash Technology	3D TLC
Capacity	256GB
Form Factor	M.2 2242 (B+M key)
Dimensions	42.0 x 22.0 x 3.5 mm
External DRAM Buffer	No
Manufacturer Part No.	SP256GIMDA3K5EW0

Performance

Seq. Performance Read (max.)	540 MB/s
Seq. Performance Write (max.)	520 MB/s
Random 4K Read (IOPS max.)	29,000
Random 4K Write (IOPS max.)	84,000
MTBF @ 25 °C	>3,000,000 hrs
P/E Cycle	3,000
TBW	551TB

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.)	460 mA
Power Idle / Standby	< 115mA

Key Features

Advanced Power Shield	Yes
AES-256	Yes
Thermal Throttling	Yes
DEVSLP	Optional
S.M.A.R.T	Yes
Write Protect	Optional
Quick Erase	Optional
DAP	Yes
FWxpress	Yes

EAN	4713436164586
manufacturer	Silicon Power

Other possible options

Product	SKU	Brand	Reference no.
1TB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - Wide Temp - SP010TIMDA3K5EW0	SP596456	Silicon Power	SP010TIMDA3K5EW0
512GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - Wide Temp - SP512GIMDA3K5EW0	SP596455	Silicon Power	SP512GIMDA3K5EW0
256GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - Wide Temp - SP256GIMDA3K5EW0	SP596454	Silicon Power	SP256GIMDA3K5EW0
128GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - Wide Temp - SP128GIMDA3K5EW0	SP596453	Silicon Power	SP128GIMDA3K5EW0
64GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - Wide Temp - SP064GIMDA3K5EW0	SP596452	Silicon Power	SP064GIMDA3K5EW0
1TB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - SP010TIMDA3K5EV0	SP596451	Silicon Power	SP010TIMDA3K5EV0
512GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - SP512GIMDA3K5EV0	SP596450	Silicon Power	SP512GIMDA3K5EV0
256GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - SP256GIMDA3K5EV0	SP596449	Silicon Power	SP256GIMDA3K5EV0
128GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - SP128GIMDA3K5EV0	SP596448	Silicon Power	SP128GIMDA3K5EV0
64GB MDA3K0E - Industrial SSD - 3D TLC - M.2 2242 (B+M Key) - SATA III - SP064GIMDA3K5EV0	SP596447	Silicon Power	SP064GIMDA3K5EV0

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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