

# Delock M.2 SATA 6 Gb/s SSD Industrial 256 GB (S42) Toshiba MLC

## Description

This flash module by Delock, with a length of 42 mm (2242), is a memory in M.2 format for the SATA interface. It supports the SATA 6 Gb/s specification and convinces with its effective boot time and a lower power consumption than common hard disk drives. The module supports the Delock iSmart function and is stable to vibration. **Delock iSmart** is a powerful and easy-to-use monitoring tool. It allows system integrators to track important disk information, such as temperature, storage space, bad blocks, lifespan and firmware, all under one platform. The intelligent recovery system provides testing and data recovery during voltage fluctuations.

## Note

The **Delock iSmart software tool** is available free of charge under the software section.



256 GB

**Item no. 54794**

EAN: 4043619547944

Country of origin: Taiwan,  
Republic of China

Package: Antistatic cover

## Specification

- Capacity: 256 GB
- Connector: 59 pin M.2 key B+M male
- Interface: SATA 6 Gb/s
- Form factor: M.2 2242
- Chip: Toshiba
- Flash Type: MLC
- Maximum channel: 2
- Maximum speed: read 530 MB/s - write 210 MB/s
- Maximum write cycles: 3000
- Maximum power consumption: 1.4 W (3.3 V x 422 mA)
- Thermal Sensor: yes
- H/W Write protect: optional
- ATA security: yes
- iSmart.: yes
- Dimensions (LxWxH): 42 x 22 x 3.2 mm
- Vibration: 20G @ 7 ~ 2000 Hz
- Shock: 1500G @ 0.5 Ms
- MTBF: >3 million hours
- Storage temperature: -55 °C ~ 95 °C
- Operation temperature: standard grade 0 °C ~ 70 °C

## System requirements

- A free M.2 port with key B or key M

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## Package content

- M.2 module

## Interface

|            |                        |
|------------|------------------------|
| connector: | M.2 NGFF based on SATA |
|------------|------------------------|

## Technical characteristics

|                            |                    |
|----------------------------|--------------------|
| Chipset:                   | Toshiba            |
| Storage temperature:       | -55°C - 95°C       |
| Read:                      | 530 MB/s           |
| Maximum power consumption: | 1.4 W              |
| Maximum write cycles:      | 3000               |
| MTBF:                      | 3 million hours    |
| Interface:                 | SATA 6.0 Gb/s      |
| Shock:                     | 1500 G @ 0.5 ms    |
| Write:                     | 210 MB/s           |
| Write protect:             | optional           |
| Capacity:                  | 256 GB             |
| Thermal sensor:            | yes                |
| Vibration:                 | 20 G @ 7 ~ 2000 Hz |
| Delock iSmart:             | Yes                |

## Physical characteristics

|         |       |
|---------|-------|
| Length: | 42 mm |
| Width:  | 22 mm |
| Height: | 3.2   |