

# Delock M.2 SATA 6 Gb/s SSD Industrial 256 GB (S42) Toshiba MLC -40 °C ~ 85 °C

## Description

This flash module by Delok, 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, is stable to vibration and has an extended temperature range from -40°C ~ +85°C. **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.



**256 GB**

## Note

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

## 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: Industrial grade -40 °C ~ 85 °C

## System requirements

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

## Package content

- M.2 module

## Item no. 54793

EAN: 4043619547937

Country of origin: Taiwan, Republic of China

Package: • Antistatic cover



Interface	
connector:	M.2 NGFF based on SATA
Technical characteristics	
Operating temperature:	-40°C - 85°C
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