

# MSD-256G IP SECURITY MICROSD CARD 256GB

## Industrial microSD Card



Industrial microSD cards from Western Digital that deliver endurance, reliability, extended temperature range, and longevity.

Designed and tested to withstand harsh environmental conditions. The Industrial microSD cards take advantage of a powerful set of features available in the Industrial series: Health Status Monitoring for proactive maintenance, automatic read refresh to ensure data integrity, and host lock to enable data privacy. Fast read and write performance enables high bit-rate video streams for demanding imaging applications such as enterprise video surveillance.

The Industrial microSD cards come with an extended 5-year warranty.

### Functions

#### Compatible with Bosch cameras for local recording

The microSD cards are compatible with all Bosch cameras with an SD card slot for local recording, including support for Health Status Monitoring.

#### Edge recording

Edge recording eliminates the need to have on-site servers, NVRs, as video storage is decentralized. This function can also be setup as a secondary system that works along with centralized recording. Industrial microSD cards integrate advanced edge recording, providing a reliable storage solution, by combining the following functions:

- Pre-alarm recording in RAM reduces write cycles on the microSD card, extending the lifetime significantly
- Industrial microSD cards support allows for extreme lifetime



- ▶ Industrial microSD card with compact design
- ▶ Extreme endurance
- ▶ Health Status Monitoring allowing proactive maintenance
- ▶ Compatible with Bosch cameras with microSD card slots for local recording
- ▶ 5-year warranty

- Health Status Monitoring support to be able to send a Lifespan alarm being able to do proactive maintenance

### Regulatory information

Standard	Type
Emissions	EN 55032: 2015 Class B
Environmental	RoHS EU: 2011/65/EU (as amended by Directive (EU) 2015/863) EMC EU: 2014/30/EU EN 55024: 2010
Immunity	EN 61000-4-2: 2009
Marks	CE, UKCA, C-tick, FCC, EAC, REACH, WEEE

### Parts included

Quantity	Component
1	microSD card

### Technical specifications

#### Storage

Memory card capacity (GB)	256 GB
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\*1 GB equals 1 billion bytes. Actual user capacity may be less depending on operating environment.

**Performance**

Interface	SD6.0 UHS-I 104
Sequential write speed	50 MB/s
Sequential read speed	100 MB/s
Endurance	MSD-256G: up to 768 TBW
Speed class	10, U1/U3, V10/V30

**Functionality**

Proactive maintenance	Health Status Monitoring (CPP4, CPP6, CPP7, CPP7.3, CPP14)
Data retention	10 years data retention at 55 °C for fresh devices

**Mechanical**

Dimensions (H x W x D) (mm)	15 mm x 11 mm x 1 mm
Weight (g)	0.25 g
Color	White

**Environmental**

Operating temperature (°C)	-25 °C – 85 °C
Operating temperature (°F)	-13 °F – 185 °F

**Ordering information**

**MSD-256G IP SECURITY MICROSD CARD 256GB**  
 256 GB industrial microSD card with health status monitoring  
 Order number **MSD-256G**

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