BOSCH

MSD-128G IP SECURITY MICROSD CARD 128GB
Industrial microSD Card

- ▶ 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
- ▶ Western Digital offers 5-year warranty for industrial microSD cards

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 from Western Digital come with 5-year warranty.

- • Industrial microSD cards support allows for extreme lifetime
- • Health Status Monitoring support to be able to send a Lifespan alarm being able to do proactive maintenance

Certifications and approvals

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

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

Parts included

Quantity	Component
1	microSD card

Technical specifications

Storage

Memory card capacity (GB)*	128 GB

*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-128G: 64 TBW
Speed class	10, U1/U3, V10/V30

Functionality

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

Mechanical

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

Environmental

Operating temperature (℃)	-25 ℃ – 85 ℃
Operating temperature (℉)	-13 ℉ – 185 ℉

Ordering information

MSD-128G IP SECURITY MICROSD CARD 128GB
128 GB industrial microSD card with health status monitoring
Order number **MSD-128G | F.01U.394.681**