

microSD Cards for the Industrial Internet of Things



Growing Connectivity in IIoT Applications Requires Industrial Quality Memory

The Industrial Internet of Things (IIoT) is transforming the world of manufacturing, extending automation and connectivity well beyond traditional factory walls. Whether you are driving autonomously, linking embedded applications and surveillance equipment to external displays, or doing remote communication installations that enable new levels of business and workflow model innovations, quality is extremely important. Consumer or wireless memory solutions don't typically meet the temperature, endurance and robustness requirements needed to operate in IIoT devices. Micron developed an industrial microSD card to address this growing challenge.

Micron's industrial microSD cards for commercial mission-critical applications are tailored to provide the reliability, quality, performance, security and longevity needed in edge recording and other IIoT applications. Edge storage adoption is growing in IP video surveillance applications due to its ability to provide recording redundancy, network load reduction and cost optimization. Choosing industrial-grade microSD solutions helps drive down the total cost of ownership and deliver better return on investment for IIoT devices.

Benefits:

- High-endurance memory solution for 24/7 video recording
- Designed for the unique demands of security cameras
- Card health monitoring enabled
- Optimize firmware to curtail frame drop

Why Micron Industrial microSD Cards?

1. Endurance

Specifically engineered to meet the ever-growing demand for capturing security video (24/7 recording for 3 years**).

2. Reliability

Built to withstand extensive WRITE/ERASE cycles (2 million hours MTTF).

3. Product Longevity

Aligned to meet the needs of long-lifecycle products.

**Based on specific bit rate for each capacity (see data sheet for more details).



Micron microSD Cards

microSD Cards Parts Table

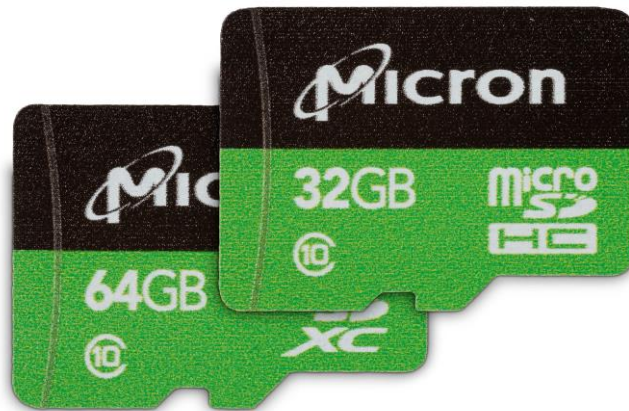
| Family | Part | Density | Shipping Method | Performance | Endurance | Operating Temperature |
|-------------------------|------------------|---------|-----------------|-------------|--------------------|-----------------------|
| Industrial microSD Card | LSDMI32GBJWW | 32GB | JC* | Class 10 | 24/7; 3 years** | -25°C to 85°C |
| | LSDMI32G-000-747 | | Tray | | | |
| | LSDMI64GBJWW | 64GB | JC* | | | |
| | LSDMI64G-000-747 | | Tray | | | |

* JC = Individual card in "jewel case"

**Based on specific bit rate for each capacity (see data sheet for more details)

Contact Us

Visit micron.com for more details on microSD card solutions. Contact your Micron sales representative with questions or for samples and support.



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