# Micron industrial microSD cards

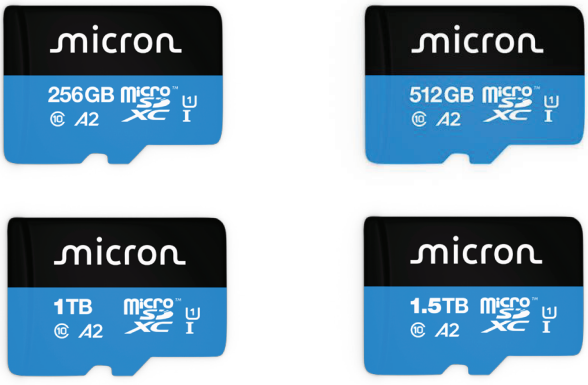
## The card that never sleeps

## Growing edge storage in AI-enhanced video security applications

Technology innovations like 5G, artificial intelligence (AI) and the Internet of Things (IoT) are driving growth in AI-enabled cameras in video security applications and data storage at the edge.

Micron's microSD card is specifically designed for handling continuous high-quality video recording and multiple AI capture events concurrently.

Adopting edge storage through the microSD card can enhance video security system performance by enabling flexibility and scalability, and by reducing network bandwidth requirements and lowering the total cost of ownership.




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

## Why Micron industrial microSD cards for edge storage applications

**High endurance (64GB to 1.5TB)**
Supports up to 5 years of high-quality, continuous, 24/7 video recording and up to 4 months of storage with the highest-capacity microSD card in the world.

**Outstanding recording performance**
The optimized design delivers sustained performance for concurrent 4K video recording and up to 8 AI capture events every second.

**Industrial quality**
Reliable high quality provides a 2 million hour mean time to failure (MTTF) rating, plus 5-proof protection encompassing water, shock, x-ray, magnet and impact.

**Smart management**
Health monitoring tracks usage and card health, and the field firmware update provides a secure way for the card to be updated remotely when needed.

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| Family | Model | Part number | Density | Package | Interface | Performance | Endurance | Op temp |
|---|---|---|---|---|---|---|---|---|
| **Industrial microSD card** | i400 | MTSD064AMC8MS-1WT | 64GB | microSD | SD 3.0 UHS-1 | U3, A2, Class10 | 24/7; 5 years | -25°C to +85°C |
| | | MTSD128ANC8MS-1WT | 128GB | | | U1, A2, Class10 | | |
| | | MTSD256ANC8MS-1WT | 256GB | | | U3, A2, Class10 | | |
| | | MTSD512ANC8MS-1WT | 512GB | | | | | |
| | | MTSD1T0ANC8MS-1WT | 1TB | | | | | |
| | | MTSD1T5ANC8MS-1WT | 1.5TB | | | | | |

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