Micron industrial microSD cards

The card that never sleeps

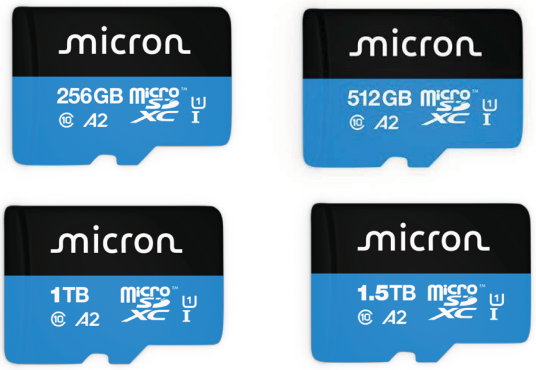


Growing edge storage in AI-enhanced video security applications

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 requirement 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					
		MTSD1TOANC8MS-1WT	1TB					
		MTSD1T5ANC8MS-1WT	1.5TB					

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