



WD Purple™ SC QD101 Ultra Endurance microSD™ Card

Western Digital's WD Purple™ SC QD101 microSD™ card is designed specifically for the mainstream security camera market. Using advanced 96-layer 3D NAND technology, the card delivers a cost-effective combination of ultra-endurance, high performance, and wide capacity range up to 512GB², and its support for card health monitor functionality allows for pre-emptive storage management. With the fast-growing market of security cameras, and growing adoption of 4K video, this card offers the right combination of longevity and capacity to handle the 24/7 continuous recording workload. Trust Western Digital to deliver WD Purple –the ideal microSD storage for security video cameras and edge devices.

Highlights

- Optimized for video surveillance cameras that operate 24/7
- Designed with ultra endurance for continuous operation
- Weather-resistant, humidity resistant, and withstands temperatures from -25°C to 85°C
- Failover local storage, continuous recording, even in case of a temporary camera disconnection
- Supports card health monitor functionality
- Advanced 96-layer 3D NAND Technology

CAPACITIES

512GB, 256GB, 128GB,
64GB, 32GB

FORM FACTOR

microSD:
microSDHC
microSDXC

INTERFACE

SDA 6.0

MODEL NUMBERS

WDD512G1P0C
WDD256G1P0C
WDD128G1P0C
WDD064G1P0C
WDD032G1P0C

THE WESTERN DIGITAL ADVANTAGE

Western Digital puts our products through extensive testing prior to any product launch. This testing ensures our products consistently meet the highest quality and reliability standards of the Western Digital brand.

Western Digital also has a detailed Knowledge Base with more than 1,000 helpful articles as well as software and utilities. Our customer support lines have long operational hours to ensure you get the help you need when you need it. Our toll-free customer support lines are here to help, or you can access our Western Digital support site for additional details.

It's WD Purple

Designed for Surveillance. Being a member of a market-leading brand gives you assurance that this card is designed with the right robustness, performance and features for always-on security video cameras and edge devices.

Put More Confidence in Your Cameras

Ultra Endurance. WD Purple SC microSD cards are designed for continuous 24/7 recording should cameras lose connection with the NVR, providing additional confidence in your security video solution.

Smart Storage Maintenance

Card Health Monitoring. In compatible cameras, the card health monitoring capability allows you to get notified about the health status of your WD Purple microSD card, so you can perform preemptive storage management.

Robust Storage, Indoors or Outdoors

Supports -25°C to 85°C temperature range; humidity resistant. Have peace of mind that this card is designed for continuous operation in extreme weather conditions and in a variety of climates.

Continuous Capture. Hours or Days

Capacities from 32GB to 512GB. Wide range of capacities for different combinations of cameras, resolutions, and recording implementations; use for both motion-triggered and continuous recording.

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PRODUCT BRIEF

SURVEILLANCE MICROSD CARD

Specifications

	512GB	256GB	128GB	64GB	32GB
Model Number¹	WDD512G1P0C	WDD256G1P0C	WDD128G1P0C	WDD064G1P0C	WDD032G1P0C
Formatted capacity ²	512GB	256GB	128GB	64GB	32GB
Form factor	microSDXC™	microSDXC™	microSDXC™	microSDXC™	microSDHC™
Interface	SDA 6.0	SDA 6.0	SDA 6.0	SDA 6.0	SDA 6.0
Product Features					
Card Health Status Monitoring Capability	Yes	Yes	Yes	Yes	Yes
Performance²					
Speed Class	Speed Class 10 UHS Speed Class 1 (U1)	Speed Class 10 UHS Speed Class 1 (U1)	Speed Class 10 UHS Speed Class 1 (U1)	Speed Class 10 UHS Speed Class 1 (U1)	Speed Class 10 UHS Speed Class 1 (U1)
Reliability/Data Integrity					
Endurance ³	Up to 256 TBW	Up to 128 TBW	Up to 64 TBW	Up to 32 TBW	Up to 16 TBW
Limited Warranty (years) ⁴	3	3	3	3	3
Environmental Specifications					
Temperature (°C, on the base casting)					
Operating ⁵	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C	-25°C to 85°C
Storage	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C

¹ Not all products may be available in all regions of the world.

² As used for storage capacity, 1GB = 1 billion bytes. Actual user capacity may be less depending on operating environment. As used for transfer rate, 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.

³ TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity.

⁴ 3 years or Max Endurance (TBW) limit, whichever comes first. See support.wdc.com for regional specific warranty details.

⁵ To achieve optimized power/performance, the maximum case temperature should not exceed 85°C.

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