



## Highlights

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

### CAPACITIES

256GB, 128GB, 64GB,  
32GB

FORM FACTOR  
microSD

INTERFACE  
SDA 6.0

### MODEL NUMBERS

WDD256G1P0A  
WDD128G1P0A  
WDD064G1P0A  
WDD032G1P0A

The WD Purple™ microSD™ card is borne out of extensive analysis of three generations of industrial products to specifically address the surveillance market. With its high endurance and capacities up to 256GB, the WD Purple microSD card provides long-lasting on-camera storage, and its support for card health monitoring functionality allows for pre-emptive storage management. It offers exceptional performance and reliability to meet the 24/7 continuous high-definition video recording workload demanded by the growing number of surveillance applications. Trust Western Digital to deliver WD Purple – the ideal microSD storage for video surveillance cameras and edge devices.

### It's WD Purple

Designed for Surveillance. Building on the heritage of WD Purple hard drives, this card is designed with the right robustness, performance, and features for always-on video surveillance cameras and edge devices.

### Put More Confidence In Your Cameras

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

### Smart Storage Maintenance

Card Health Monitoring. In compatible cameras, card health monitoring capability allows you to get notified when it's time to service 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 up to 256GB. Wide range of capacities for different combinations of camera resolution, frame rate, recording duration, and event trigger configuration.

## 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.

# WD Purple™ microSD™ Card

DATA SHEET

SURVEILLANCE MICROSD CARD

## Specifications

|   | 256GB  | 128GB  | 64GB                                     | 32GB                                     |
|---|--|--|--|--|
| Model Number <sup>1</sup>                   | WDD256G1P0A<br>QD102                                 | WDD128G1P0A<br>QD102                                 | WDD064G1P0A<br>QD102                     | WDD032G1P0A<br>QD102                     |
| Formatted capacity <sup>2</sup>             | 256GB  | 128GB  | 64GB                                     | 32GB                                     |
| Form factor                                 | microSDXC™   | microSDXC™   | microSDXC™                               | microSDHC™                               |
| RoHS compliant <sup>3</sup>                 | Yes  | Yes  | Yes                                      | Yes                                      |
| <b>Product Features</b>                     |  |  |  |  |
| Card Health Status Monitoring Functionality | Yes  | Yes  | Yes                                      | Yes                                      |
| <b>Performance</b>                          |  |  |  |  |
| Sequential Read Performance (MB/s) up to    | 100  | 100  | 100                                      | 100                                      |
| Sequential Write Performance (MB/s) up to   | 60   | 60   | 60                                       | 60                                       |
| Speed Class                                 | UHS Speed Class 3 (U3)<br>Video Speed Class 30 (V30) | UHS Speed Class 3 (U3)<br>Video Speed Class 30 (V30) | Speed Class 10<br>UHS Speed Class 1 (U1) | Speed Class 10<br>UHS Speed Class 1 (U1) |
| Endurance <sup>4</sup>                      | Up to 256 TBW  | Up to 128 TBW  | Up to 64 TBW                             | Up to 32 TBW                             |
| <b>Reliability/Data Integrity</b>           |  |  |  |  |
| Limited warranty (years) <sup>5</sup>       | 3  | 3  | 3  | 3  |
| <b>Environmental Specifications</b>         |  |  |  |  |
| Temperature (°C, on the base casting)       |  |  |  |  |
| Operating <sup>2</sup>                      | -25° to 85°  | -25° to 85°  | -25° to 85°                              | -25° to 85°                              |
| Non-operating                               | -40° to 85°  | -40° to 85°  | -40° to 85°                              | -40° to 85°                              |

<sup>1</sup> Not all products may be available in all regions of the world.

<sup>2</sup> As used for storage capacity, one gigabyte (GB) = one billion bytes. Total accessible capacity varies depending on operating environment. As used for transfer rate, megabyte per second (MB/s) = one million bytes per second. Performance will vary depending on your hardware and software components and configurations.

<sup>3</sup> WD storage products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

<sup>4</sup> TBW (terabytes written) values calculated using JEDEC client workload (JESD219) and vary by product capacity.

<sup>5</sup> 2 years or Max Endurance (TBW) limit, whichever comes first. See support.wdc.com for regional specific warranty details.

## Western Digital.

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