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SanDisk SDSQQVR-256G-GN6IA

SanDisk MAX Endurance microSDXC Card User Manual

Brand: SanDisk | **Model:** SDSQQVR-256G-GN6IA

1. Product Overview

The SanDisk MAX Endurance microSDXC card is specifically engineered for continuous recording devices such as home security cameras and dash cams. This card is built for long-lasting endurance, capable of capturing and re-recording footage for extended periods, ensuring reliable performance year after year.



Figure 1.1: Front view of the SanDisk MAX Endurance 256GB microSDXC card.

Key Features:

- **Extended Endurance:** Designed for up to 120,000 hours (over 13 years for 256GB model) of continuous recording and re-recording.
- **Extreme Durability:** Built to withstand harsh conditions, including temperature fluctuations, water, shocks, and X-rays.
- **High Capacity:** Available in capacities up to 256GB, allowing for extensive storage of Full HD and 4K video footage.
- **Fast Performance:** Features read speeds up to 100MB/s and write speeds up to 40MB/s, with Class 10, U3, and V30 video speed ratings for smooth recording and quick data transfer.
- **Wide Compatibility:** Compatible with microSDHC, microSDXC, microSDHC UHS-I, and microSDXC UHS-I supporting host devices.

2. Setup Guide

Before using your SanDisk MAX Endurance microSDXC card, ensure your device supports microSDXC cards and the required capacity. Most modern home security cameras and dash cams are compatible.

Installation Steps:

1. **Locate the microSD Card Slot:** Identify the microSD card slot on your home security camera or dash cam. Refer to your device's manual if you are unsure.
2. **Insert the Card:** Gently insert the SanDisk MAX Endurance microSDXC card into the slot with the gold contacts facing down (or as indicated by your device). Push until it clicks into place.
3. **Using the Adapter (Optional):** If your device requires a standard SD card slot, insert the microSDXC card into the provided SD adapter first, then insert the adapter into your device.



Figure 2.1: The SanDisk MAX Endurance microSDXC card shown with its full-size SD adapter.

4. **Format the Card (Recommended):** For optimal performance and to ensure compatibility, it is highly recommended to format the microSD card using your device's internal formatting function. This will erase all data on the card, so ensure any important data is backed up first.
5. **Power On Device:** Turn on your device and verify that the card is recognized.

3. Operation

Once installed and formatted, your SanDisk MAX Endurance microSDXC card is ready for operation within your compatible device.

Continuous Recording:

This card is optimized for continuous recording, which is typical for dash cams and security cameras. It is designed to

handle the constant writing and re-writing of data without degradation in performance over its lifespan. Your device will automatically manage the recording process, overwriting older footage as the card fills up.

Video Quality:

The card supports Full HD (1920x1080) and 4K UHD (3840x2160) video recording, provided your host device is capable of capturing at these resolutions. The U3 and V30 speed ratings ensure smooth, uninterrupted recording of high-resolution video.

Accessing Footage:

To access recorded footage, you can typically remove the card from your device and insert it into a computer's card reader (using the adapter if necessary) or connect your device directly to a computer. Refer to your device's manual for specific instructions on accessing and transferring files.





Figure 3.1: The SanDisk MAX Endurance microSDXC card is ideal for continuous recording in devices like dash cams and home security cameras.

4. Maintenance and Care

Proper care of your SanDisk MAX Endurance microSDXC card will ensure its longevity and reliable performance.

- **Handle with Care:** Avoid bending the card or applying excessive force during insertion or removal.
- **Keep Contacts Clean:** If necessary, gently clean the gold contacts with a soft, dry, lint-free cloth.
- **Protect from Extremes:** While the card is temperature-proof, waterproof, shockproof, and X-ray proof, it is best practice to avoid exposing it to extreme conditions unnecessarily.
- **Regular Formatting:** Periodically formatting the card (e.g., every few months) through your device can help maintain optimal performance and prevent potential data corruption. Always back up important data before formatting.
- **Safe Storage:** When not in use, store the card in its protective case or a secure environment to prevent physical damage or loss.

5. Troubleshooting

If you encounter issues with your SanDisk MAX Endurance microSDXC card, consider the following troubleshooting steps:

- **Card Not Recognized:**
  - Ensure the card is fully inserted into the slot.
  - Try re-inserting the card.
  - Test the card in another compatible device to rule out a device issue.
  - Ensure your device's firmware is up to date.
- **Recording Errors or Freezing:**
  - Format the card using your device's formatting function.
  - Ensure the card is not full.
  - Verify that your device's recording settings (e.g., resolution, bitrate) are compatible with the card's speed class.
- **Slow Performance/Transfer Speeds:**
  - Ensure your card reader or device's USB port supports high-speed data transfer (e.g., USB 3.0 for faster

transfers).
    - Avoid running multiple demanding applications during data transfer.
    - Format the card.

- **Data Corruption:**
    - Always safely eject the card from your computer or device before physical removal.
    - Ensure the device is powered off before removing the card.
    - If data is corrupted, formatting the card may resolve the issue, but data recovery may be required for lost files.

If problems persist after attempting these steps, please refer to the SanDisk support website or contact customer service.

6. Technical Specifications

Below are the detailed specifications for the SanDisk MAX Endurance microSDXC Card (256GB model).





Figure 6.1: Packaging of the SanDisk MAX Endurance microSDXC card, detailing its features and specifications.

Feature	Specification
Model Name	MAX Endurance
Flash Memory Type	Micro SDXC
Memory Storage Capacity	256 GB
Read Speed	Up to 100 MB/s
Write Speed	Up to 40 MB/s
Secure Digital Association Speed Class	Class 10, U3, V30
Hardware Interface	microSDXC
Special Feature	Temperature Proof, Waterproof, Shockproof, X-ray Proof
Product Dimensions	0.04"L x 0.59"W x 0.43"H
Item Weight	0.141 ounces (4 Grams)
Compatible Devices	microSDHC, microSDXC, microSDHC UHS-I and microSDXC UHS-I supporting host devices.
Manufacturer	Western Digital Technologies, Inc.
UPC	619659178543
Item Model Number	SDSQQVR-256G-GN6IA

7. Warranty and Support

SanDisk provides comprehensive support and warranty coverage for its products.

Warranty Information:

The SanDisk MAX Endurance microSDXC card (256GB model) comes with a**15-year limited manufacturer warranty**. For full details regarding warranty terms and conditions, please visit the official SanDisk website.



Figure 7.1: Back of the SanDisk MAX Endurance microSDXC card packaging, indicating warranty and proof information.

Additional Protection Plans:

Optional protection plans, such as 2-year or 3-year Photo and Data Recovery Plans, may be available for purchase separately to provide additional coverage for your data.

Customer Support:

For technical assistance, product registration, or to access frequently asked questions and drivers, please visit the official SanDisk support website. You can also find contact information for customer service there.

SanDisk Official Website: www.sandisk.com

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