SanDisk SDSQXAV-256G-GN6MA

SanDisk Extreme microSDXC UHS-I Memory Card User Manual

Model: SDSQXAV-256G-GN6MA

1. Product Overview

The SanDisk Extreme microSDXC memory card is designed for high-performance storage, offering fast read and write speeds suitable for demanding applications such as 4K and 5K UHD video recording, high-resolution photography, and mobile gaming. It is built to withstand various environmental conditions, including temperature extremes, water, and X-rays, ensuring data integrity and reliability.



Figure 1: SanDisk 256GB Extreme microSDXC UHS-I Memory Card.



Figure 2: The SanDisk Extreme microSDXC card shown with its included SD adapter, facilitating use with various devices.

2. Setup and Installation

The SanDisk Extreme microSDXC card is compatible with a wide range of devices. Follow the instructions below for proper installation.

2.1 Inserting the microSD Card

1. **Identify the microSD slot:** Locate the microSD card slot on your compatible device (e.g., smartphone, action camera, drone, tablet, Nintendo Switch). Refer to your device's user manual for exact location.
2. **Orient the card:** Ensure the metal contacts on the microSD card are facing the correct direction as indicated by the device's slot.
3. **Insert the card:** Gently push the microSD card into the slot until it clicks into place. Do not force the card.

4. **Verify recognition:** Your device should automatically detect the new storage. Check your device's settings to confirm the card is recognized and its capacity is displayed.

2.2 Using the SD Adapter

The included SD adapter allows you to use your microSDXC card with devices that have a standard SD card slot, such as laptops, desktop computers, and some digital cameras.

1. **Insert microSD into adapter:** Slide the SanDisk Extreme microSDXC card into the designated slot on the side of the SD adapter until it locks securely.
2. **Insert adapter into device:** Insert the SD adapter (with the microSD card inside) into the SD card slot of your computer or compatible device.
3. **Access files:** The device should recognize the SD adapter as a removable drive, allowing you to access, transfer, and manage files on your microSD card.

3. Operating the Memory Card

The SanDisk Extreme microSDXC card is optimized for fast data handling, making it suitable for various high-demand tasks.

3.1 Data Transfer Speeds

This card offers read speeds of up to 190MB/s and write speeds of up to 130MB/s. To achieve maximum transfer speeds, especially for offloading media, pair the card with a compatible reader such as the SanDisk Professional PRO-READER SD and microSD (sold separately).



Figure 3: The SanDisk Extreme microSDXC card positioned next to a SanDisk Professional PRO-READER, illustrating the setup for accelerated data transfer speeds.

3.2 4K and 5K UHD Video Recording

The card's UHS Speed Class 3 (U3) and Video Speed Class 30 (V30) ratings ensure sustained write performance necessary for smooth 4K and 5K UHD video capture without dropped frames. Ensure your recording device supports these video standards.



Figure 4: A person recording video with a smartphone mounted on a gimbal, demonstrating the card's capability for blazing-fast shot speeds ideal for 4K and 5K UHD video.

3.3 App Performance (A2 Rated)

Rated A2, this card provides faster loading and in-app performance for Android smartphones and other compatible devices. This means quicker app launches and smoother operation when running applications directly from the card.

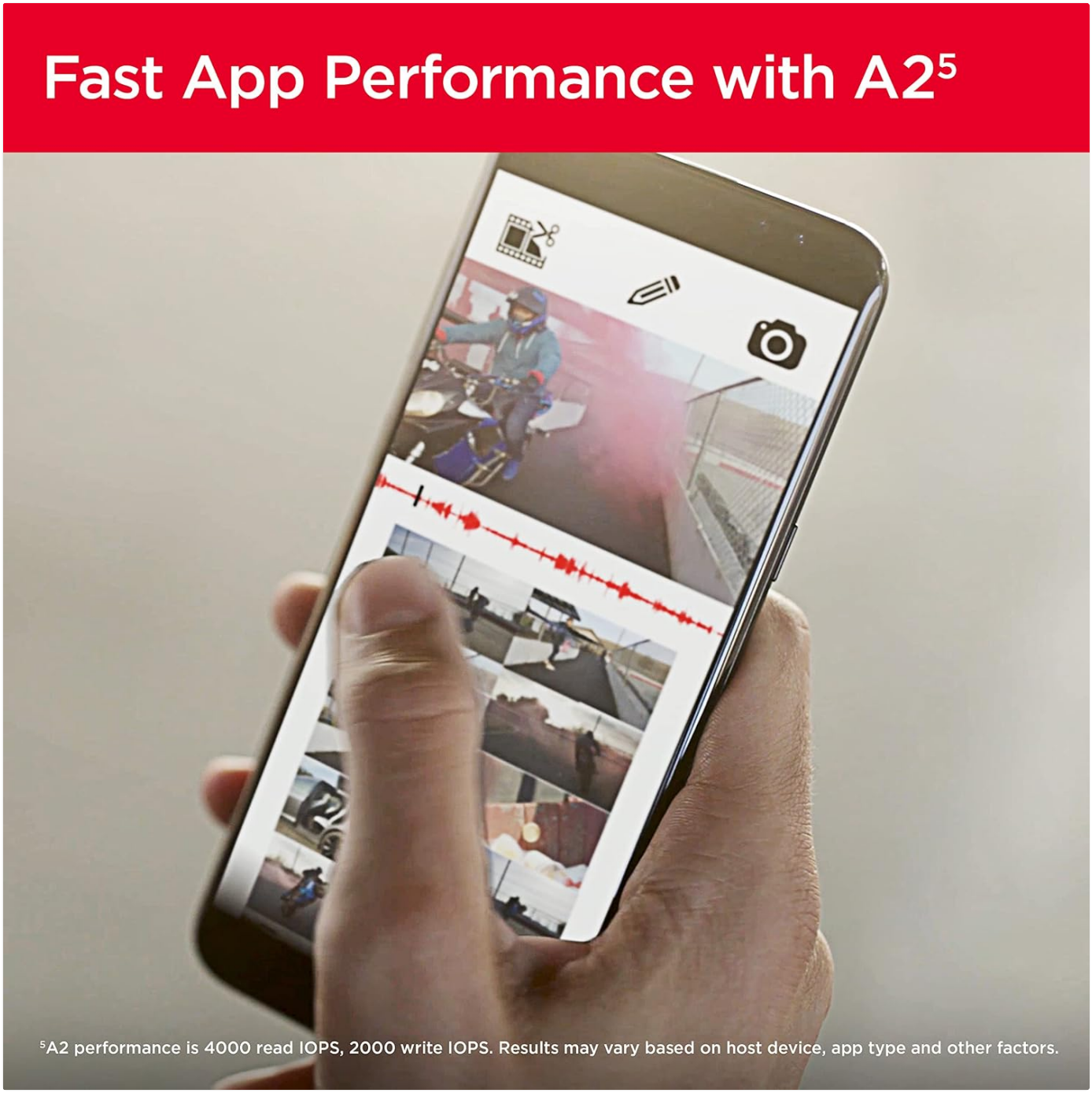


Figure 5: A smartphone screen displaying a video editing application, highlighting the card's fast A2-rated app performance.

4. Maintenance and Care

To ensure the longevity and optimal performance of your SanDisk Extreme microSDXC card, follow these maintenance guidelines:

- **Handle with care:** Avoid bending, dropping, or applying excessive force to the card.
- **Keep contacts clean:** Do not touch the metal contacts on the card. If necessary, gently wipe them with a clean, dry, lint-free cloth.
- **Protect from elements:** While the card is temperature-proof, water-proof, and X-ray proof, prolonged exposure to extreme conditions should be avoided. Store the card in its protective case when not in use.
- **Eject safely:** Always safely eject the card from your device before removing it to prevent data corruption.
- **Regular backups:** Periodically back up important data from your memory card to another storage device (e.g., computer hard drive, cloud storage) to prevent data loss.

5. Troubleshooting

If you encounter issues with your SanDisk Extreme microSDXC card, try the following solutions:

Problem	Possible Cause	Solution
Card not recognized by device.	Incorrect insertion, dirty contacts, incompatible device, or corrupted card.	• Re-insert the card correctly. • Clean the metal contacts. • Ensure your device supports microSDXC cards. • Try the card in another compatible device.
Slow read/write speeds.	Device limitations, fragmented data, or non-optimized file transfers.	• Use a compatible high-speed card reader (e.g., SanDisk Professional PRO-READER). • Ensure your device's firmware is up to date. • Format the card (*Note: This will erase all data. Back up first.*).
Data corruption or loss.	Improper removal, power loss during transfer, or physical damage.	• Always safely eject the card. • Use RescuePRO Deluxe software (registration required) to attempt data recovery. • If physically damaged, contact SanDisk support. 

Figure 6: Illustration of data recovery using RescuePRO Deluxe software.

6. Specifications

Feature	Detail
Brand	SanDisk
Model Name	SanDisk Extreme microSD UHS-I Card with Adapter
Item Model Number	SDSQXAV-256G-GN6MA
Flash Memory Type	Micro SDXC
Memory Storage Capacity	256 GB
Read Speed	Up to 190 MB/s
Write Speed	Up to 130 MB/s
Secure Digital Association Speed Class	Class 10, U3, V30, A2
Special Features	Temperature Proof, Water Proof, X-Ray Proof
Compatible Devices	Action Cameras, Digital Cameras, Drones, Smartphone, Tablet, Nintendo Switch
Product Dimensions	0.4"L x 0.5"W (0.04 x 0.59 x 0.43 inches)
Item Weight	0.353 ounces (10 Grams)
Color	Gold/Red

7. Warranty and Support

The SanDisk Extreme microSDXC UHS-I Memory Card comes with a Limited Lifetime Warranty, ensuring peace of mind regarding its durability and performance.

- **Warranty Type:** Limited Lifetime Warranty.
- **For Warranty Claims:** Please visit the official SanDisk support website or contact their customer service for detailed instructions on how to process a warranty claim.
- **Additional Support:** For technical assistance, product information, or frequently asked questions, refer to the SanDisk Support Page.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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