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> GIGASTONE 1TB Gaming Plus MicroSDXC Memory Card User Manual for Nintendo Switch 1 and Steam Deck

Gigastone MSD-1TB-2-1PK

GIGASTONE 1TB Gaming Plus MicroSDXC Memory Card User Manual

Model: MSD-1TB-2-1PK

1. INTRODUCTION

Thank you for choosing the GIGASTONE 1TB Gaming Plus MicroSDXC Memory Card. This high-performance memory card is engineered to provide reliable and fast storage for your gaming consoles and other compatible devices. With read speeds up to 150 MB/s and write speeds up to 120 MB/s, it ensures quick data transfer and smooth operation for demanding applications like 4K video recording and gaming. This manual will guide you through the setup, operation, and maintenance of your new memory card.

GIGASTONE microSD Printing

Both Designs are GIGASTONE'S Standard Printing

These two memory cards are identical

Read up to 150MB/s
Write over 120MB/s
Class: UHS-I Class 10(U3)
Support Nintendo-Switch 1



OLD

Read up to 150MB/s
Write over 120MB/s
Class: UHS-I Class 10(U3)
Support Nintendo-Switch 1



NEW

Quality of both designs is exactly the same
with the highest specifications

Image 1.1: GIGASTONE 1TB Gaming Plus MicroSDXC Memory Card. This image displays the front of the GIGASTONE 1TB Gaming Plus MicroSDXC card, highlighting its capacity and speed ratings.

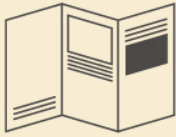
2. SETUP AND INSTALLATION

To begin using your GIGASTONE MicroSDXC card, follow these general steps. Specific installation procedures may vary depending on your device.

- 1. Locate the MicroSD Card Slot:** Identify the microSD card slot on your device (e.g., Nintendo Switch, Steam Deck, smartphone, camera).
- 2. Insert the Card:** Gently insert the GIGASTONE MicroSDXC card into the slot until it clicks into place. Ensure it is oriented correctly to avoid damage.
- 3. Format the Card (If Necessary):** Some devices may require the card to be formatted before use. Refer to your device's user manual for specific formatting instructions. For capacities 64GB or above, the default file system should be exFAT. If your device only supports FAT32, you may need to format the card to FAT32.

How to use Gigastone Micro SD cards for dash cams and surveillance device?

STEP 1. Read The User Manual Of Your Device

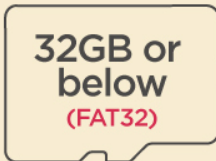
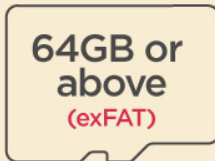


- A Check the maximum capacity supported
- B Check the supported file systems (It could be exFAT or FAT32)

Notice:

If there's no user manual come with your device, please contact the device company directly.

STEP 2. Format The Micro SD Card If Needed



- A The default file system for 64GB or above capacity should be exFAT.
- B If your device only supports FAT32, please format your micro SD card as FAT32 to ensure they are compatible.

(Download the software from the following URL: <https://fat32-format.en.softonic.com/>)

Use GIGASTONE memory cards without worries!

Image 2.1: MicroSD Card Formatting Guide. This image illustrates the recommended file systems (exFAT for 64GB+ and FAT32 for 32GB or below) and advises checking the device's user manual for compatibility.

3. OPERATING INSTRUCTIONS

Once installed and formatted, your GIGASTONE MicroSDXC card is ready for use. It functions as an extended storage solution for various data types.

- **Gaming:** Store a large library of games on your Nintendo Switch 1 or Steam Deck. The A1 specification ensures high-speed data transfer for game professionals, reducing load times and enhancing gameplay.
- **4K Video Recording:** Utilize the card's Ultra HD capabilities for recording and displaying 4K video content.
- **File Storage:** Save photos, music, documents, and other files from compatible devices such as laptops, tablets, PCs, smartphones, and cameras.

WARNING Not Compatible SWITCH 2 Compatible SWITCH 1

GIGASTONE
Gaming Plus

1 TB
A1 V30 **microSDXC I**

4K UHD Recording
Enjoy Your Ultimate Gaming Adventure

Image 3.1: Ultra Fast Gaming Response. This image shows the GIGASTONE MicroSD card being used with a Nintendo Switch, emphasizing reduced transfer times for gaming.

A1 App Performance

Run app faster and smoother



IOPS
(Input/Output Operations per Second)

READ	WRITE
1500	500



Image 3.2: 4K UHD Recording. This image depicts the GIGASTONE MicroSD card enabling 4K UHD recording for an enhanced gaming adventure.

4. COMPATIBILITY AND PERFORMANCE

The GIGASTONE Gaming Plus Series MicroSDXC card is designed for broad compatibility and high performance.

4.1. Device Compatibility

This memory card is compatible with:

- Nintendo Switch 1 (including Nintendo Switch Lite and Nintendo Switch OLED)
- Steam Deck
- Laptops, Tablets, PCs, Smartphones, Cameras, e-Readers

Important Notice: This memory card is NOT compatible for gaming with Nintendo Switch 2.

GIGASTONE
Gaming Plus

1 TB
A1 V30
microSDXC I

WARNING
SWITCH 2
SWITCH 1

Read Speed **150** MB/s

Write Speed **120** MB/s

Dramatically Reduces Transfer Time

*Requires compatible devices and environment capable of reaching such speeds

The advertisement features a background image of a blurred car wheel. The product is a white and red Gigastone Gaming Plus 1TB microSDXC I card. A yellow warning banner indicates that the card is not compatible with Switch 2 (marked with a red 'X') but is compatible with Switch 1 (marked with a green checkmark). Performance metrics show a read speed of 150 MB/s and a write speed of 120 MB/s. A large headline states 'Dramatically Reduces Transfer Time', with a small disclaimer below it: '*Requires compatible devices and environment capable of reaching such speeds'.

Image 4.1: Nintendo Switch Compatibility. This image clearly indicates compatibility with Switch 1 and non-compatibility with Switch 2.



Reliable Compatibility with Nintendo Switch

Gigastone Verified Compatibility through Repeatedly Testings

Image 4.2: MicroSD Card Compatibility Table. A detailed table showing compatibility of various Gigastone microSD cards with Nintendo Switch 1 and Switch 2 for game and photo/video applications.

4.2. Speed and App Performance

The card offers impressive speed and optimized app performance:

- **Read Speed:** Up to 150 MB/s
- **Write Speed:** Up to 120 MB/s
- **A1 App Performance:** Optimized for faster app loading and smoother operation with 1500 IOPS (Input/Output Operations Per Second) for read and 500 IOPS for write.

GIGASTONE Adapter Printing

Both Designs are GIGASTONE'S Standard Printing

These Adapters are identical

Universal Fit for microSD
to SD Conversion



Universal Fit for microSD
to SD Conversion



Both adapters function the same and
deliver the same high-quality experience

Image 4.3: Read/Write Speed. This graphic highlights the 150 MB/s read speed and 120 MB/s write speed of the GIGASTONE MicroSD card.

Great Variety of Capacities

Always fulfill & satisfy your needs



Image 4.4: A1 App Performance. This image details the A1 specification, showing 1500 IOPS for read and 500 IOPS for write, indicating faster and smoother app execution.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your GIGASTONE MicroSDXC card, follow these maintenance guidelines:

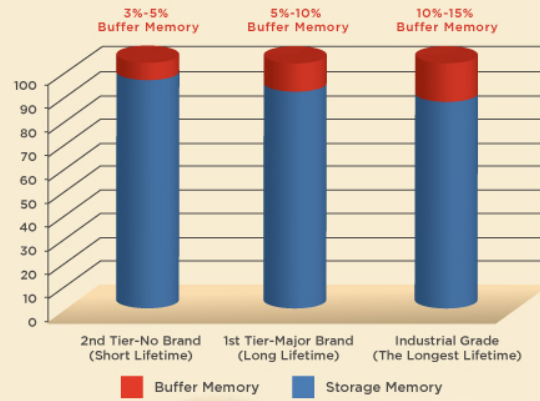
- **Physical Protection:** The card is designed to be waterproof, shockproof, temperature-proof, and X-Ray proof. However, avoid exposing it to extreme physical stress or harsh chemicals.
- **Cleanliness:** Keep the metal contacts on the card clean and free from dust or debris. Use a soft, dry cloth if cleaning is necessary.
- **Safe Removal:** Always safely eject the memory card from your device before physically removing it to prevent data corruption.
- **Buffer Memory:** MicroSD cards reserve a portion of their capacity as buffer memory for firmware, applications, and software. A larger buffer memory contributes to a longer lifetime for the card. This is why the usable capacity may be slightly less than the advertised nominal capacity (e.g., a 1TB card may show around 906GB usable).

How critical is buffer memory?

The bigger the buffer memory, the longer the lifetime.

*All micro SD cards need to reserve some buffer memory for firmware, application, and software, and the bigger the buffer memory, the longer the lifetime.

Therefore, there are some differences between marked capacity and actual capacity.



Examples :

- The usable capacity of 512GB micro SD card would be around 465GB to 476GB approximately.
- The usable capacity of 128GB micro SD card would be around 116GB to 119GB approximately.



GIGASTONE always try our best to provide the best quality memory cards for you!

Image 5.1: Buffer Memory. This graphic explains the concept of buffer memory in microSD cards and its impact on usable capacity and card lifetime.

6. TROUBLESHOOTING

If you encounter issues with your GIGASTONE MicroSDXC card, consider the following:

- **Card Not Recognized:**
 - Ensure the card is fully and correctly inserted into the device's slot.
 - Restart your device.
 - Try the card in another compatible device to determine if the issue is with the card or the original device.
 - Check if the card requires formatting for your specific device (refer to Section 2).
- **Slow Performance:**
 - Ensure your device supports the card's speed class (U3, V30, A1).
 - Verify that the device's internal storage or processor is not bottlenecking the card's performance.
 - Avoid filling the card to its absolute maximum capacity, as this can sometimes affect performance.
- **Data Corruption:**
 - Always safely eject the card before removal.
 - Ensure your device's software is up to date.
 - If data corruption persists, the card may be faulty. Contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	Gigastone
Model Name	MSD
Model Number	MSD-1TB-2-1PK

Flash Memory Type	Micro SDXC
Memory Storage Capacity	1 TB (Terabyte)
Read Speed	Up to 150 MB/s
Write Speed	Up to 120 MB/s
Media Speed	90.0
Hardware Connectivity	microSDXC
Secure Digital Association Speed Class	Class 10, U3, V30, A1
Compatible Devices	Nintendo Switch 1, Nintendo Switch Lite, Nintendo Switch OLED, Steam Deck, Gaming Console, Laptop, Tablet, PC, Smartphones, Camera, e-Reader
Environmental Features	Waterproof, Shockproof, Temperature-Proof, X-Ray Proof
UPC	804272758405

8. WARRANTY AND SUPPORT

GIGASTONE provides a **5-year limited warranty** for this product. For warranty claims, technical support, or further inquiries, please visit the official Gigastone website or contact their customer service. Keep your proof of purchase for warranty validation.

For more information, you can visit the [Gigastone Store on Amazon](#).