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> [PNY microSD Express 128GB Flash Memory Card User Manual](#)

PNY P-SDU128P31880EXP-GE

PNY microSD Express 128GB Flash Memory Card User Manual

Model: P-SDU128P31880EXP-GE

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the proper use and care of your PNY microSD Express 128GB Flash Memory Card. Designed for high-performance applications, this card utilizes next-generation PCIe Gen 3x1 microSD Express technology, offering enhanced speed and reliability for compatible devices.

Key features include:

- **High-Speed Performance:** Up to 890MB/s read and 550MB/s write speeds for rapid data transfer.
- **Next-Gen Compatibility:** Optimized for microSD Express host devices, including Nintendo Switch® 2, and backwards compatible with UHS-I and UHS-II devices.
- **A1 Application Performance:** Enables faster app launches and direct execution of gaming applications from the card.
- **Enhanced Durability:** Engineered with heat dissipation and adaptive thermal technology for sustained performance.

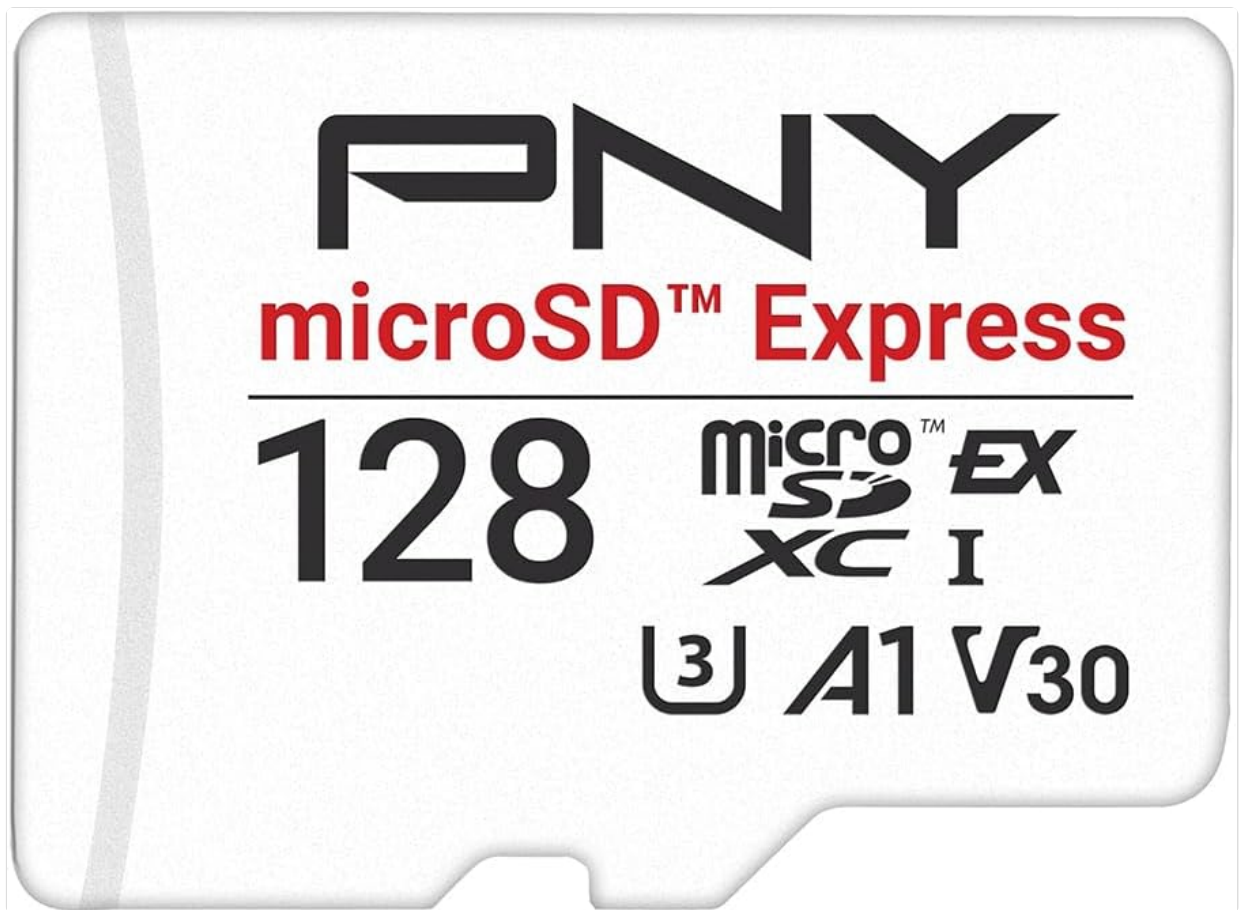


Image 1.1: Front view of the PNY microSD Express 128GB Flash Memory Card.

2. SETUP AND INSTALLATION

Follow these steps to properly install your PNY microSD Express card into a compatible device.

1. **Identify the microSD Card Slot:** Locate the microSD card slot on your device. Refer to your device's instruction manual for its exact location.
2. **Orient the Card:** Hold the PNY microSD Express card with the label facing upwards (or as indicated by your device's slot design). Ensure the gold contacts are aligned correctly with the slot.
3. **Insert the Card:** Gently push the card into the slot until it clicks into place. Do not force the card; if it does not insert easily, recheck its orientation.
4. **Verify Recognition:** Power on your device. The device should automatically detect the new storage. You may need to format the card through your device's settings before first use. Consult your device's manual for specific formatting instructions.



Image 2.1: A hand preparing to insert the microSD Express card into a device slot.

PNY microSD™ Express

U3 V30 A1 microSDXC™

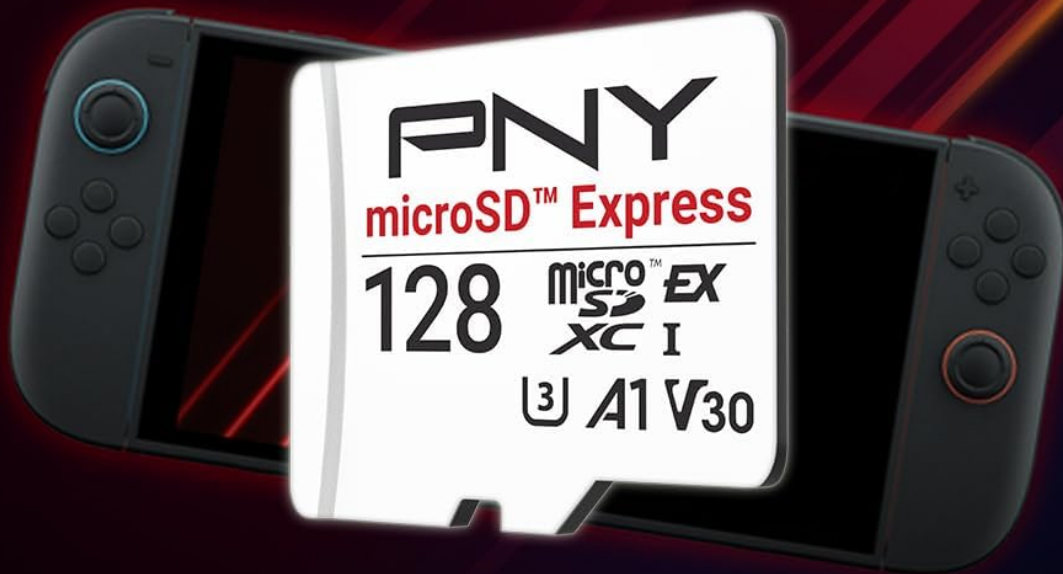


Image 2.2: The PNY microSD Express card displayed alongside a compatible gaming console.

3. OPERATING INSTRUCTIONS

Once installed and formatted, your PNY microSD Express card is ready for use. Its high-speed capabilities are particularly beneficial for demanding applications such as gaming and high-resolution media storage.

- **Data Storage:** Use the card to store games, applications, photos, videos, and other digital files. The available capacity is 128GB (actual usable capacity may vary).
- **Gaming Performance:** For compatible gaming devices like the Nintendo Switch® 2, the microSD Express technology significantly reduces game load times and enhances overall gameplay fluidity. The A1 Application Performance rating ensures optimized execution of applications directly from the card.
- **File Transfer:** When transferring large files, ensure your host device supports the high read and write speeds of the card to maximize efficiency.
- **Safe Removal:** Always follow your device's procedure for safely ejecting or unmounting the microSD card before physical removal to prevent data corruption.



Image 3.1: The microSD Express card inserted into a device, illustrating its role in enabling fast downloads.

4. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your PNY microSD Express card, adhere to the following maintenance guidelines:

- **Physical Protection:** Avoid bending, dropping, or applying excessive force to the card. Store it in a protective case when not in use.
- **Environmental Conditions:** The card is designed for durability against various elements, including temperature, humidity, shock, and X-ray exposure. However, avoid prolonged exposure to extreme conditions outside of typical operating environments.
- **Cleaning:** If necessary, gently wipe the gold contacts with a clean, dry, lint-free cloth. Do not use liquids or abrasive materials.
- **Data Backup:** Regularly back up important data stored on the card to another storage medium to prevent data loss.

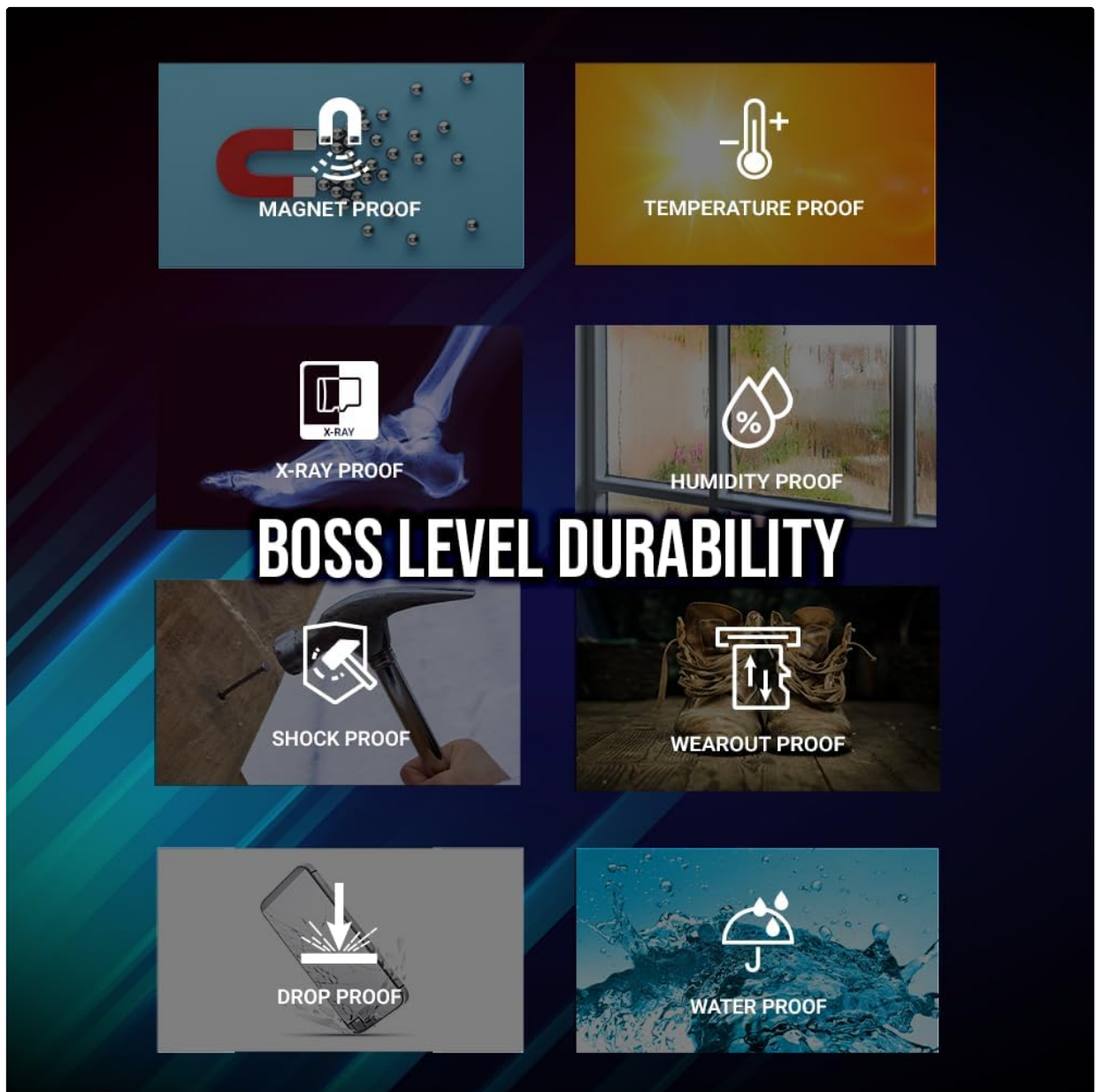


Image 4.1: Visual representation of the PNY microSD Express card's durability features.

5. TROUBLESHOOTING

If you encounter issues with your PNY microSD Express card, consider the following common solutions:

- **Card Not Recognized:**

- Ensure the card is fully and correctly inserted into the device's slot.
- Restart your device.
- Test the card in another compatible device to determine if the issue is with the card or the original device.
- Ensure your device's firmware is up to date.

- **Slow Performance:**

- Verify that your device supports microSD Express technology to achieve maximum speeds. If not, the card will operate at UHS-I or UHS-II speeds, depending on device compatibility.
- Check if the card is nearly full; performance can degrade when storage is almost exhausted.
- Ensure no background processes on your device are consuming excessive resources.

- **Data Corruption:**

- Always safely eject the card from your device before physical removal.
- Avoid powering off the device or removing the card during read/write operations.
- If data corruption occurs, attempt to recover data using specialized software (not provided by PNY) or reformat the card (which will erase all data).

If problems persist, contact PNY customer support or refer to the warranty information.

6. SPECIFICATIONS

Detailed technical specifications for the PNY microSD Express 128GB Flash Memory Card:

Feature	Detail
Brand	PNY
Model Name	microSD Express
Item Model Number	P-SDU128P31880EXP-GE
Flash Memory Type	Micro SDXC
Memory Storage Capacity	128 GB
Read Speed	Up to 890 MB/s
Write Speed	Up to 550 MB/s
Hardware Interface	microSDXC
Secure Digital Association Speed Class	Class 10, U3, V30, A1
Special Features	Superspeed Performance, microSD Express Technology, Extreme Durability, Adaptive Thermal Technology
Compatible Devices	Devices with a microSDXC/microSDUC card slot & microSD Express host devices including Nintendo Switch® 2
Item Weight	0.352 ounces (0.01 Kilograms)
UPC	751492798776

7. WARRANTY AND SUPPORT

Your PNY microSD Express 128GB Flash Memory Card is backed by a limited lifetime warranty.

- **Warranty Information:** For full details regarding the limited lifetime warranty, including terms and conditions, please visit the official PNY website.
- **Customer Support:** If you require technical assistance or have questions not covered in this manual, please visit www.pny.com for support resources and contact information.