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> Samsung PRO Ultimate microSD Memory Card + Reader User Manual

Samsung MB-MY256SB/AM

Samsung PRO Ultimate microSD Memory Card + Reader User Manual

Model: MB-MY256SB/AM

1. INTRODUCTION

The Samsung PRO Ultimate microSD Memory Card is designed for high-speed data transfer and reliable performance across various devices. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your memory card and its accompanying USB reader.



Figure 1.1: Samsung PRO Ultimate microSD Memory Card and USB Reader.

2. KEY FEATURES

- **High-Speed Performance:** Read speeds up to 200 MB/s and write speeds up to 130 MB/s, enabling faster loading and 4K UHD video capture.
- **Extensive Compatibility:** Designed for use with smartphones, gaming consoles, action cameras, and drones.
- **6-Proof Protection:** Built to withstand water, extreme temperatures, X-rays, magnets, drops, and wearout.
- **Ample Storage:** Available in capacities from 128GB to 512GB to accommodate high-quality photos and 4K footage.

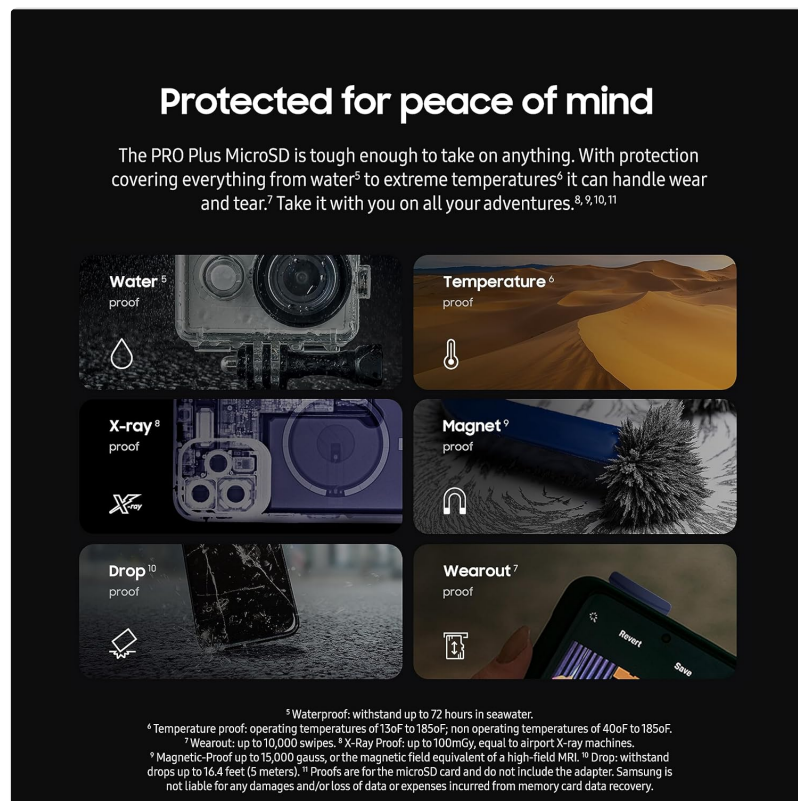


Figure 2.1: High-speed read and write capabilities of the PRO Ultimate microSD card.

3. SETUP AND INSTALLATION

3.1 Inserting the microSD Card

Locate the microSD card slot on your compatible device (e.g., smartphone, tablet, action camera, drone). Gently insert the Samsung PRO Ultimate microSD card into the slot until it clicks into place. Ensure the card is oriented correctly to avoid damage.



Figure 3.1: Front view of the Samsung PRO Ultimate microSD Card.

3.2 Using the USB Reader

The included USB reader allows for quick and easy data transfer to and from your computer. Insert the microSD card into the designated slot on the USB reader. Then, plug the USB reader into an available USB-A port on your computer. The card will appear as a removable drive.

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Video 3.1: Demonstration of inserting the microSD card into the USB reader and connecting it to a device.

4. OPERATING THE MEMORY CARD

Once inserted, the Samsung PRO Ultimate microSD card functions as expanded storage for your device. You can save photos, videos, documents, and applications directly to the card. For optimal performance, ensure your device's software is up to date.

4.1 Compatible Devices

- Smartphones
- Tablets
- Gaming Consoles
- Drones
- Action Cameras

More storage. More snaps.

Pile in the files and expand your portfolio with a wide range of storage options from 128GB to 512GB.¹² From high quality photos to flawless 4K footage, there's plenty of space for all your favorites.

Capacity	4K Video	FHD Video	4K Images	FHD Images
512GB	30 Hrs	80.5 Hrs	207,159	270,108
256GB	15 Hrs	40 Hrs	103,566	135,036
128GB	7.5 Hrs	20 Hrs	51,783	67,518

¹² 1GB = 1,000,000,000 bytes. Actual storage capacity may be lower than the labeled capacity. Part of the storage may be used for system files and other storage control purposes.
¹³ Test Device: Galaxy Note 20 Ultra 5G
¹⁴ 4K Video: 3840*2160, 30fps (Video size 30Min 2.93GB)
¹⁵ FHD Video: 1920*1080, 30fps (Video size 30Min 2.95GB)
¹⁶ 4K Image: 4000*3000 (Avg Pic size 2.36MB)
¹⁷ FHD Image: 4000*1868 (Avg Pic size 1.81MB)

Figure 4.1: The PRO Ultimate microSD card adapts to various devices for extensive compatibility.

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Video 4.1: Official Samsung video highlighting the performance of the PRO Ultimate microSD card.

5. MAINTENANCE AND DURABILITY

The Samsung PRO Ultimate microSD card is engineered for exceptional durability, providing peace of mind for your data.

- **Waterproof:** Withstands up to 72 hours in seawater.
- **Temperature Proof:** Operates in temperatures from -13°F to 185°F (-25°C to 85°C); non-operating temperatures from -40°F to 185°F (-40°C to 85°C).
- **X-Ray Proof:** Protected from X-ray machines up to 100mGy, equivalent to airport X-ray scanners.
- **Magnetic Proof:** Resists magnetic fields up to 15,000 gauss, equivalent to a high-field MRI.
- **Drop Proof:** Withstands drops up to 16.4 feet (5 meters).
- **Wearout Proof:** Designed for up to 10,000 swipes.

Note: Proofs are for the microSD card only and do not include the adapter. Samsung is not liable for any damages and/or loss of data or expenses incurred from memory card data recovery.



Figure 5.1: The 6-proof protection features of the Samsung PRO Ultimate microSD card.

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
Card not recognized by device/computer.	Incorrect insertion, dirty contacts, incompatible format, or driver issues.	Reinsert the card correctly. Clean card contacts. Try on another device/port. Format the card (backup data first). Update device drivers.

Issue	Possible Cause	Solution
Slow read/write speeds.	Device limitation, fragmented data, or background processes.	Ensure your device supports UHS-I speeds. Defragment the card (if applicable). Close unnecessary applications. Use the included USB 3.0 reader for optimal transfer speeds.
Data corruption or errors.	Improper ejection, power loss during transfer, or physical damage.	Always safely eject the card. Avoid removing the card during data transfer. If issues persist, consider data recovery software or contact support.

7. TECHNICAL SPECIFICATIONS

Attribute	Value
Model Name	PRO Ultimate
Flash Memory Type	Micro SDXC
Memory Storage Capacity	256 GB
Read Speed	Up to 200 MB/s
Write Speed	Up to 130 MB/s
UHS Speed Class	U3
Video Speed Class	V30
Application Performance Class	A2
Special Features	X-Ray Proof, Water Proof, Wearout Proof, Drop Proof, Temperature Proof
Item Weight	0.26 Grams (0.009 ounces)
Country of Origin	Philippines



Figure 7.1: Available storage capacities for the PRO Ultimate microSD card series.

8. WARRANTY AND SUPPORT

The Samsung PRO Ultimate microSD Memory Card comes with a **10-year limited warranty**, ensuring long-term reliability and performance. For detailed warranty terms, technical support, or service inquiries, please visit the official Samsung support website or contact their customer service.

For more information, visit the [Samsung Store on Amazon](#).