

## SP Silicon Power SU001TBSTXDA2V20AB

# SP Silicon Power 1TB Superior Micro SDXC UHS-I (U3) V30 4K A2 MicroSD Card User Manual

Model: SU001TBSTXDA2V20AB | Brand: SP Silicon Power

## 1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your SP Silicon Power 1TB Superior Micro SDXC UHS-I (U3) V30 4K A2 MicroSD Card. Designed for high-performance applications, this card offers reliable storage and fast data transfer for a wide range of compatible devices.

## 2. KEY FEATURES

- **High Capacity:** 1TB storage for extensive data, photos, and videos.
- **UHS-I Speed Class 3 (U3):** Ensures high-speed data transfer for demanding tasks.
- **Video Speed Class 30 (V30):** Supports smooth 4K Ultra HD video recording and playback.
- **Application Performance Class 2 (A2):** Optimized for faster app launches and smoother performance on Android-based mobile devices, with minimum random read of 4,000 IOPS and random write of 2,000 IOPS.
- **Fast Read/Write Speeds:** Up to 100 MB/s read and 80 MB/s write speeds (actual speeds may vary based on host device and configuration).
- **Enhanced Durability:** Waterproof, shockproof, temperature-proof, and X-ray proof for robust protection of your data.
- **Error Correction Code (ECC):** Equipped with an automatic error correction code function to ensure data integrity.

## 3. SETUP

To begin using your MicroSD card, follow these general steps:

1. **Locate the MicroSD Card Slot:** Identify the MicroSD card slot on your device (e.g., smartphone, tablet, camera, gaming console).
2. **Insert the Card:** Gently insert the MicroSD card into the slot with the gold contacts facing down or as indicated by your device's manual. Push until it clicks into place.

3. **Formatting (If Required):** Some devices may prompt you to format the card upon first insertion. Follow the on-screen instructions. Formatting erases all data on the card, so ensure it is empty or backed up if necessary.
4. **Using the SD Adapter:** If your device uses a standard SD card slot, insert the MicroSD card into the provided SD adapter, then insert the adapter into your device's SD card slot.



Figure 3.1: SP Silicon Power 1TB MicroSD card with an SD adapter.

## 4. OPERATING

The SP Silicon Power 1TB Superior Micro SDXC card is designed for optimal performance across various applications:

### 4.1. App Performance (A2 Rating)

With its A2 rating, this card significantly enhances app responsiveness on compatible Android devices. Experience faster app loading times and smoother operation for your mobile applications.

S T O R A G E C A R D

# LIGHT-SPEED DATA TRANSFER

Superior

microSDHC/SDXC UHS-I



Figure 4.1: A2 App Performance for enhanced mobile experience.

## 4.2. 4K Ultra HD Video Recording (V30 Rating)

The V30 video speed class ensures sustained write speeds necessary for recording uninterrupted 4K Ultra HD videos. Capture high-quality footage without dropped frames.

The advertisement features a dark background with a smartphone screen in the upper right, displaying various app icons like WhatsApp, YouTube, Translate, and Music. Green and blue light rays emanate from the screen. In the lower left, a white SanDisk Superior microSDXC UHS-I card is shown, labeled with 'SD', 'micro V30', 'XC I', 'U3 A2', '1TB', and 'Superior'. To the right of the card, the text 'A2' is prominently displayed in a large white font, with 'APP PERFORMANCE' in a smaller white font below it.

**A2**  
APP PERFORMANCE

## A New Standard For App Responsiveness

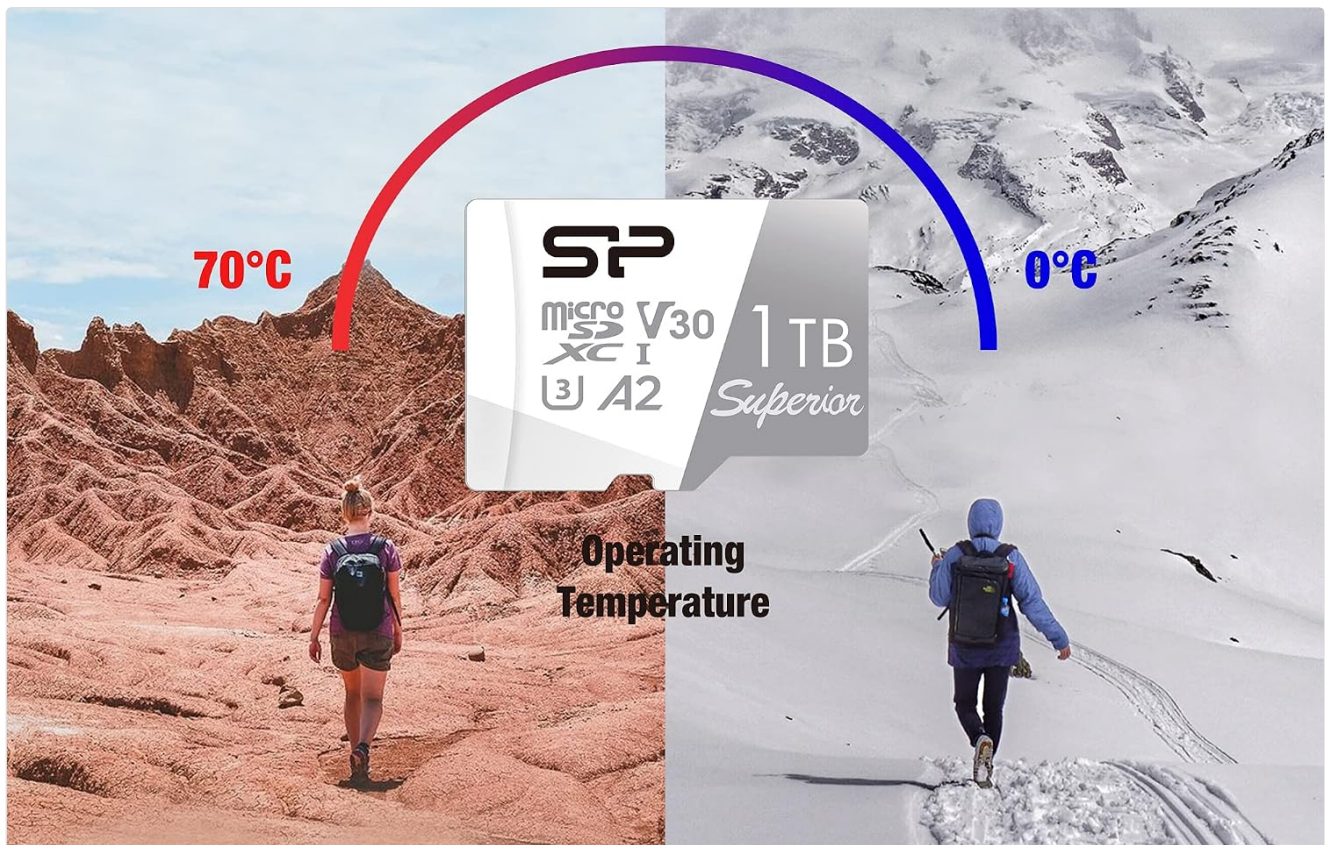
With an advanced A2 rating, the Superior microSDXC UHS-I card is specifically designed for app enhancement. Minimum random read of 4,000 IOPS and random write of 2,000 IOPS equate to lightning-fast launches and smoother operation.

Figure 4.2: Supports 4K Ultra HD video recording.

### 4.3. Device Compatibility

This MicroSD card is compatible with a wide array of devices, including:

- Smartphones (e.g., Samsung Galaxy S20 series, A series, Note 10+)
- Tablets
- Gaming Consoles (e.g., Nintendo Switch, Steam Deck - note: Nintendo Switch may require a system upgrade for microSDXC card use; Steam Deck users may consider Gen4x4 2230 SSD for optimal gaming performance)
- Digital Cameras (DSLRs, Action Cameras)
- Drones
- Personal Computers (with appropriate card reader/adaptor)



## Get Out There, Worry Free

From blizzards in the mountains to scorching hot deserts and the rainiest rainforests, this card is as durable as you are adventurous.



Waterproof



Shockproof



Temperatureproof



X-ray-proof

Figure 4.3: Broad compatibility with various digital devices.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your MicroSD card, consider the following maintenance tips:

- **Proper Insertion and Removal:** Always ensure the card is inserted correctly. When removing, use the device's safe ejection feature to prevent data corruption.
- **Regular Backup:** Periodically back up important data from your MicroSD card to another storage device (e.g., computer hard drive, cloud storage) to prevent data loss.
- **Keep Clean:** Avoid touching the gold contacts on the card. If necessary, gently clean them with a soft, dry, lint-free cloth.
- **Environmental Protection:** While durable, avoid exposing the card to extreme physical stress, high temperatures, or strong magnetic fields.

### 5.1. Durability Features

Your SP Silicon Power MicroSD card is built to withstand various environmental challenges:

- **Waterproof:** Protected against water immersion.

- **Shockproof:** Resistant to impacts and drops.
- **Temperature-proof:** Operates reliably in a wide range of temperatures.
- **X-ray proof:** Safe from airport X-ray scanners.

## 4K Ultra HD Never Looked So Good

Since every second counts, read and write speeds up to 100 and 80 MB/s, respectively, ensure that you're spending more time recording every bit of the action in stunning quality.



Figure 5.1: Durability features for worry-free use.

## 6. TROUBLESHOOTING

If you encounter issues with your MicroSD card, try the following solutions:

- **Card Not Recognized:**
  - Ensure the card is fully and correctly inserted into the device slot.
  - Try inserting the card into another compatible device to check if the card or the device slot is the issue.
  - Restart your device.
- **Slow Performance:**
  - Verify your device supports UHS-I U3 and V30 speeds. Older devices may not fully utilize the card's speed capabilities.
  - Ensure the card is not nearly full, as this can impact performance.

- Check for firmware updates for your device.
- **Data Corruption or Errors:**
  - The card features an automatic Error Correction Code (ECC) function to minimize data errors.
  - If issues persist, try backing up any accessible data and then reformatting the card using your device's utility or a computer.
- **Compatibility Issues:**
  - Refer to your device's manufacturer website for specific MicroSD card compatibility requirements.
  - For Nintendo Switch, a system upgrade may be necessary to use microSDXC cards.

## 7. SPECIFICATIONS

| Feature                                | Detail                                                                 |
|----------------------------------------|------------------------------------------------------------------------|
| Brand                                  | SP Silicon Power                                                       |
| Model Name                             | SU001TBSTXDA2V20AB                                                     |
| Flash Memory Type                      | Micro SDXC                                                             |
| Memory Storage Capacity                | 1 TB                                                                   |
| Read Speed                             | Up to 100 MB/s                                                         |
| Write Speed                            | Up to 80 MB/s                                                          |
| UHS Speed Class                        | U3                                                                     |
| Video Speed Class                      | V30                                                                    |
| Application Performance Class          | A2                                                                     |
| Secure Digital Association Speed Class | Class 10                                                               |
| Additional Features                    | Lightweight, Waterproof, Shockproof, Temperature-proof, X-ray proof    |
| Compatible Devices                     | Camera, Personal Computer, Smartphone, Tablet, Drones, Gaming Consoles |
| Item Dimensions (D x W x H)            | 0.03"D x 0.43"W x 0.59"H                                               |
| Item Weight                            | 9 Grams                                                                |

## 8. WARRANTY & SUPPORT

### 8.1. Warranty Information

The SP Silicon Power 1TB Superior Micro SDXC card comes with **5-year limited manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

### 8.2. Customer Support

For technical assistance, warranty claims, or any other inquiries, please visit the official SP Silicon Power website or contact their customer service directly. You can often find detailed FAQs and support resources on their website. If your device is not listed in the compatibility section, please contact customer service or visit the compatibility page of the official SP Silicon Power website for further information.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### 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.

Submit question