SanDisk SDSSDE81-4T00-G25

SanDisk Extreme PRO Portable SSD (SDSSDE81-4T00-G25) User Manual

High-Performance External Solid State Drive

1. INTRODUCTION

The SanDisk Extreme PRO Portable SSD is engineered to deliver powerful solid-state performance for demanding tasks such as creating and transferring high-resolution content. This rugged storage solution offers exceptional speed and durability, making it suitable for professional use and on-the-go data management.

Image: SanDisk Extreme PRO Portable SSD, designed for demanding tasks.

2. PRODUCT OVERVIEW

The SanDisk Extreme PRO Portable SSD combines high-speed performance with robust durability. Its advanced NVMe technology provides rapid data transfer, while the forged aluminum chassis and silicone shell offer enhanced protection against environmental factors.

Key Features:

- **High-Speed Performance:** Up to 2000MB/s read and 2000MB/s write speeds for efficient data handling.
- **Durable Design:** IP65 water and dust resistance, and up to 3-meter drop protection.

- **Thermal Management:** Forged aluminum chassis acts as a heatsink to maintain sustained high speeds.
- **Portable:** Compact and lightweight design with an integrated carabiner loop for secure attachment.
- **Secure:** Features 256-bit AES hardware encryption for data protection.
- **Versatile Connectivity:** Includes USB-C to USB-C and USB-C to USB-A cables for broad compatibility.

Image: Front view of the SanDisk Extreme PRO Portable SSD, highlighting its textured surface and orange carabiner loop.

3. PACKAGE CONTENTS

Verify that all items are present in your product packaging:

- SanDisk Extreme PRO Portable SSD (4TB)
- USB-C to USB-C Cable
- USB-C to USB-A Cable
- Safety and Warranty Guide

Universal Compatibility: Includes USB-C and USB-A cables for PC and Mac computers.

works with chromebook

Image: All components included in the SanDisk Extreme PRO Portable SSD package.

4. SETUP

4.1 Connecting the SSD

1. Identify the appropriate cable for your device:

    - Use the **USB-C to USB-C cable** for devices with a USB-C port.
    - Use the **USB-C to USB-A cable** for devices with a standard USB-A port.

2. Connect one end of the chosen cable to the USB-C port on the SanDisk Extreme PRO Portable SSD.
3. Connect the other end of the cable to an available USB port on your computer (Desktop, Laptop) or compatible device (Smartphone, Tablet).

4.2 Initial Use and Formatting

The SSD is pre-formatted for immediate use with most operating systems. If you encounter issues or wish to reformat for specific system compatibility (e.g., macOS, Windows), follow your operating system's instructions for disk management. Formatting will erase all data on the drive.

4.3 SanDisk Memory Zone App

For enhanced file management and automatic space freeing, download and install the SanDisk Memory Zone app. Refer to the official SanDisk website for download and installation instructions.

5. OPERATING INSTRUCTIONS

5.1 Data Transfer

To transfer files to or from the SSD, simply drag and drop files or folders between your device's storage and the SSD's drive icon. The high read/write speeds (up to 2000MB/s) facilitate quick transfers of large files.

Save time with up to 2000MB/s Read and Write Speeds**

** Up to stated speeds. Engineered with proprietary technology to reach speeds beyond UHS-I 104MB/s, requires compatible devices capable of reaching such speed. Based on internal testing; performance may be lower depending on host device, interface, usage conditions and other factors. 1MB=1,000,000 bytes.

Image: The SSD connected to a laptop, demonstrating its use for editing large files with high read/write speeds.

5.2 Hardware Encryption

The SanDisk Extreme PRO Portable SSD supports 256-bit AES hardware encryption for password protection. Software download may be required for Windows 8, Windows 10, and macOS v10.9+. Visit the official SanDisk website for details and software downloads.

Included password protection featuring 256-bit AES hardware encryption[2]

Image: The SSD in a professional setting, emphasizing its password protection feature.

5.3 Portability

The compact and lightweight design, along with the integrated carabiner loop, allows for easy and secure transport of your data. Attach it to your bag or belt for convenient access.

2.28 in.

4.36 in.

SanDisk

Depth: 0.41 in.

reddot winner 2021

Product Design Award

Lightweight and pocket-sized

Image: Dimensions of the SSD, highlighting its lightweight and pocket-sized design.

6. MAINTENANCE

6.1 Durability and Care

The SSD features an IP65 rating for water and dust resistance. This means it is tested to withstand water flow (30 kPa) at 3 minutes, and limited dust contact does not interfere with operation. For optimal performance and longevity, ensure the device is clean and dry before use, especially after exposure to water or dust.

6.2 Safe Ejection

Always safely eject the SSD from your computer before disconnecting it to prevent data corruption. Follow your operating system's guidelines for safe hardware removal.

6.3 Firmware Updates

Ensure your SSD's firmware is up-to-date for optimal performance and compatibility. Check the official SanDisk support website periodically for available firmware updates and installation instructions.

7. TROUBLESHOOTING

7.1 SSD Not Recognized

- Ensure the USB cable is securely connected to both the SSD and your device.
- Try a different USB port on your device.
- Test with the alternative USB cable provided (USB-C to USB-A or USB-C to USB-C).
- Restart your computer or device.

- Check your device's Disk Management (Windows) or Disk Utility (macOS) to see if the drive is detected but uninitialized or unformatted.

7.2 Slow Transfer Speeds

- Ensure your device's USB port supports USB 3.2 Gen 2x2 for maximum speeds. Older USB ports will result in lower transfer rates.
- Verify that your operating system and drivers are up-to-date.
- Avoid transferring many small files simultaneously, as this can reduce overall speed compared to large single files.
- Close other applications that might be using system resources or disk I/O.

7.3 Drive Gets Warm During Use

It is normal for the SSD to become warm during extended periods of high-speed data transfer. The forged aluminum chassis is designed to dissipate heat and maintain performance. If the drive becomes excessively hot or performance degrades significantly, ensure it has adequate airflow and is not covered.

8. SPECIFICATIONS

Feature	Detail
Model Number	SDSSDE81-4T00-G25
Digital Storage Capacity	4 TB
Hard Disk Interface	USB 3.2 Gen 2x2
Connectivity Technology	USB
Read Speed	Up to 2000 MB/s
Write Speed	Up to 2000 MB/s
Special Features	Hardware Encryption, Portable, IP65 Water/Dust Resistance, 3-meter Drop Protection
Compatible Devices	Desktop, Laptop, Smartphone, Tablet (Mac, PC)
Color	Black
Item Dimensions (LxWxH)	0.41 x 2.28 x 4.36 inches
Item Weight	2.75 ounces

9. OFFICIAL PRODUCT VIDEO

Watch this official video from SanDisk for a visual overview of the Extreme PRO Portable SSD's features and capabilities.

Your browser does not support the video tag.

Video: Official overview of the SanDisk Extreme PRO Portable SSD, showcasing its design and performance.
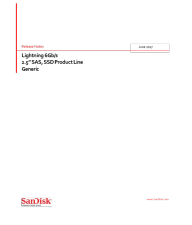
10. Warranty and Support

The SanDisk Extreme PRO Portable SSD comes with a 5-year limited warranty. For detailed warranty information, terms, and conditions, please refer to the included Safety and Warranty Guide.

For technical support, product registration, or additional resources, please visit the official SanDisk support website:

www.sandisk.com/support

Related Documents - SDSSDE81-4T00-G25

	SanDisk Portable SSD v4 User Guide This document provides information on the SanDisk Portable SSD v4, including its features and specifications. It is intended for users of SanDisk portable SSD products.
	SanDisk 128 GB Ultra Fit USB 3.1 Flash Drive Troubleshooting Guide This document provides troubleshooting information for the SanDisk 128 GB Ultra Fit USB 3.1 Flash Drive, covering topics such as transfer speed limitations and drive temperature during operation.
	SanDisk Extreme SDXC/SDHC UHS-I Speicherkarten: Technische Daten und Merkmale Umfassende Informationen zu SanDisk Extreme SDXC und SDHC UHS-I Speicherkarten, einschließlich Kapazitäten, Geschwindigkeiten, Abmessungen, Kompatibilität und Haltbarkeit. Ideal für 4K UHD-Video und professionelle Fotografie.
	Troubleshooting SanDisk Cruzer Flash Drive Detection and Formatting Issues A guide to resolving common issues with SanDisk Cruzer flash drives not being detected by Windows PCs, including steps for checking system requirements, trying different USB ports, and managing the device in Device Manager. It also covers formatting the drive with exFAT or NTFS file systems and data recovery options.
	SanDisk Lightning 6Gb/s 2.5" SAS SSD Firmware Release Notes Release notes for the SanDisk Lightning 6Gb/s 2.5" SAS SSD product line, detailing firmware updates and fixes.

[SanDisk Memory Zone App: Quick Guide for File Management and Storage Optimization](#)
A quick guide to SanDisk Memory Zone, an app for managing phone storage, cleaning media, backing up files, and organizing your digital content across multiple locations.