Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

ORICO e7400

ORICO e7400 512GB NVMe SSD PCIe 4.0 Instruction Manual

Model: e7400

1. Product Overview

The ORICO e7400 512GB NVMe SSD is a high-performance internal solid-state drive designed for demanding applications such as gaming, content creation, and professional workstations. It utilizes PCIe Gen4.0 x4 technology to deliver exceptional data transfer speeds and responsiveness.

Key Features:

- **High Performance:** PCIe Gen4.0 x4 interface with read speeds up to 7200MB/s and write speeds up to 4400MB/s.
- **Advanced Technologies:** Features HMB (Host Memory Buffer) and dynamic SLC Cache for optimized performance, along with TRIM and S.M.A.R.T. support.
- **Efficient Heat Dissipation:** Equipped with a graphene heat spreader to maintain optimal operating temperatures and ensure stable performance.
- **Wide Compatibility:** Compatible with PlayStation 5, desktops, and laptops running macOS and Windows operating systems.
- **Reliability:** Backed by a 5-year limited coverage or TBW (Total Bytes Written), whichever comes first.



Image: The ORICO e7400 NVMe SSD, its retail packaging, a small screw, and a screwdriver, indicating the product and its included installation accessories.



Image: A visual representation of the ORICO e7400 M.2 2280 PCIe Gen4.0 x4 NVMe SSD, highlighting its high-speed capabilities and performance.

2. Setup and Installation

This section provides general guidance for installing your ORICO e7400 NVMe SSD. Specific steps may vary depending on your computer's motherboard or gaming console model. Always refer to your device's manual for detailed installation instructions.

2.1 Physical Installation

1. **Power Off:** Ensure your computer or console is completely powered off and disconnected from the power source.
2. **Locate M.2 Slot:** Open your computer case or console and locate an available M.2 slot on the motherboard. The ORICO e7400 is an M.2 2280 form factor SSD.
3. **Insert SSD:** Gently insert the ORICO e7400 SSD into the M.2 slot at a slight angle.
4. **Secure SSD:** Push the SSD down until it is parallel with the motherboard and secure it with the provided screw.
5. **Close Case:** Reassemble your computer or console.



Image: A close-up view of an ORICO e7400 NVMe SSD being inserted into an M.2 slot on a computer motherboard, illustrating the physical installation process.

2.2 Initializing and Formatting the SSD

After physical installation, new SSDs often need to be initialized and formatted before they can be used by the operating system. This process creates partitions and a file system, making the storage accessible.

For Windows Systems:

Follow these steps to initialize and format your new SSD in Windows:

1. Right-click on 'This PC' (or 'My Computer') and select 'Manage'.
2. In the Computer Management window, navigate to 'Disk Management' under 'Storage'.
3. You will see your new SSD listed as 'Unallocated'. Right-click on the disk and select 'Initialize Disk'.
4. Choose 'GPT (GUID Partition Table)' as the partition style and click 'OK'.
5. Right-click on the 'Unallocated' space of the initialized disk and select 'New Simple Volume'.
6. Follow the 'New Simple Volume Wizard' prompts. Assign a drive letter and choose 'NTFS' as the file system. Perform a quick format.
7. Once completed, the new volume will appear in 'This PC' and be ready for use.

For macOS Systems:

Follow these steps to initialize and format your new SSD in macOS:

1. Click 'Go' in the Finder menu bar, then select 'Utilities'.
2. Open 'Disk Utility'.
3. In Disk Utility, select your external ORICO SSD from the sidebar.
4. Click the 'Erase' button in the toolbar.
5. Enter a name for the volume. For 'Format', select 'ExFat' for compatibility with both Mac and Windows systems. If exclusively using with macOS, you may choose APFS or Mac OS Extended (Journaled).
6. Click 'Erase' to confirm. Once the process is complete, click 'Done'.
7. The formatted disk will now appear on your desktop and in Finder.

Your browser does not support the video tag.

Video: An instructional video from ORICO Direct US Store demonstrating how to format a new SSD for use in Windows and Mac OS systems, addressing common issues like a computer not recognizing the drive.

3. Operating the SSD

Once installed and formatted, your ORICO e7400 NVMe SSD operates like any other storage drive. Its high-speed capabilities will enhance system responsiveness, application loading times, and file transfer speeds.

- **Data Storage:** Use the SSD for installing operating systems, applications, games, and storing large files to benefit from its fast read/write speeds.
- **Gaming Performance:** Experience reduced game loading times and smoother gameplay due to the high data throughput.
- **Content Creation:** Accelerate workflows for video editing, graphic design, and other demanding tasks that involve large datasets.



Image: An illustration showing the ORICO e7400 NVMe SSD's compatibility with various devices, including a PlayStation 5, a laptop, and a desktop computer.

Your browser does not support the video tag.

Video: A promotional video from ORICO Direct US Store showcasing the ORICO e7400 SSD's benefits for avid gamers, demonstrating faster game loading and smoother performance.

4. Maintenance

To ensure the longevity and optimal performance of your ORICO e7400 NVMe SSD, consider the following maintenance practices:

- **TRIM Support:** Ensure your operating system has TRIM enabled. TRIM helps the SSD manage its stored data more efficiently, preventing performance degradation over time. Modern operating systems typically enable TRIM by default for SSDs.
- **S.M.A.R.T. Monitoring:** Utilize S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) tools to monitor the health and status of your SSD. This can help predict potential failures.
- **Firmware Updates:** Periodically check the ORICO official website for any available firmware updates for your e7400 SSD. Firmware updates can improve performance, stability, and compatibility.
- **Temperature Management:** The integrated graphene heat spreader helps manage the SSD's temperature. Ensure adequate airflow within your computer case to support overall system cooling.
- **Avoid Full Capacity:** While SSDs perform well even when nearly full, maintaining some free space (e.g., 10-15%) can help sustain optimal performance and extend lifespan.

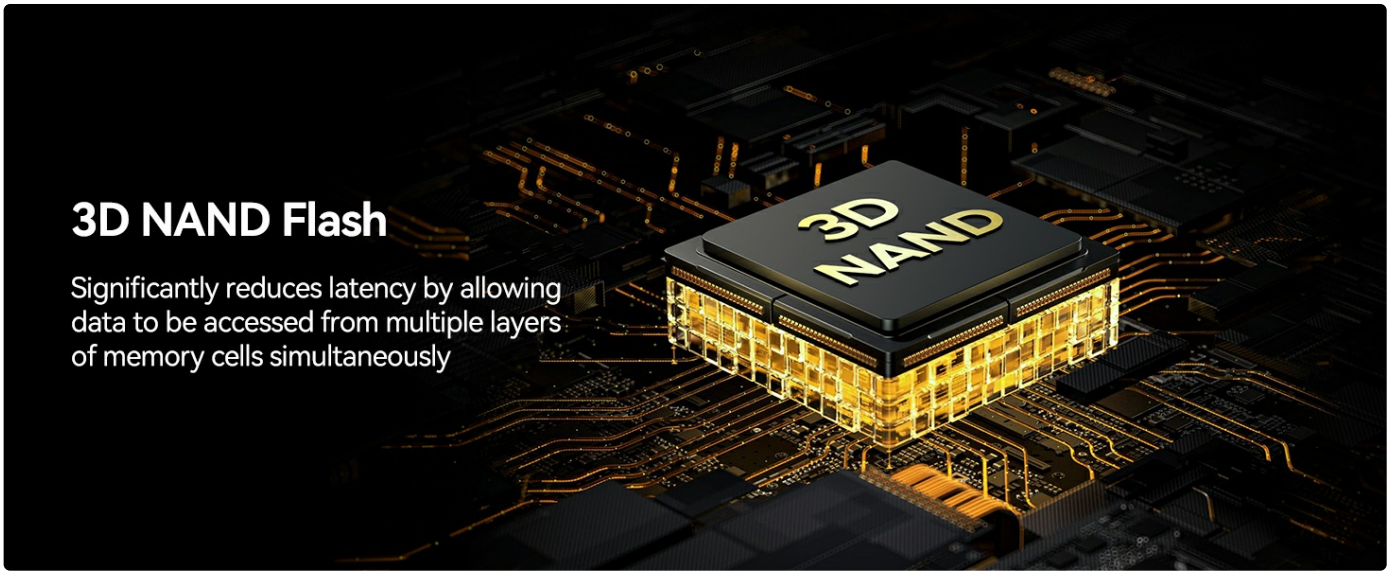

Image: A diagram illustrating the graphene heat spreader integrated into the ORICO e7400 NVMe SSD, demonstrating its role in dissipating heat for sustained performance.

5. Troubleshooting

If you encounter issues with your ORICO e7400 NVMe SSD, refer to the following common troubleshooting steps:

- **SSD Not Detected:**
  - Ensure the SSD is correctly seated in the M.2 slot and secured.
  - Check your system's BIOS/UEFI settings to confirm the M.2 slot is enabled and configured correctly (e.g., NVMe mode).
  - If it's a new SSD, it may need to be initialized and formatted. Refer to the Setup and Installation section and the provided video for guidance.
- **Slow Performance:**
  - Verify that your motherboard supports PCIe Gen4.0. If connected to a PCIe Gen3.0 slot, performance will be limited to Gen3 speeds.
  - Ensure TRIM is enabled in your operating system.
  - Check for available firmware updates for the SSD.
  - Monitor SSD temperature using S.M.A.R.T. tools; overheating can cause throttling.

- **Data Corruption/Errors:**
  - Run a disk check utility (e.g., `chkdsk` on Windows, Disk Utility's First Aid on macOS).
  - Ensure your operating system and drivers are up to date.
  - Back up your data immediately if you suspect data corruption.

For further assistance, please contact ORICO customer support.

6. Specifications

Feature	Detail
Brand	ORICO
Model Number	e7400
Digital Storage Capacity	512 GB
Hard Disk Interface	PCIE x 4
Connectivity Technology	PCIe 4.0X4
Hard Disk Form Factor	M.2 2280
Read Speed (Max)	Up to 7200MB/s
Write Speed (Max)	Up to 4400MB/s
TBW (Total Bytes Written)	300TBW (for 512GB model)
Special Features	HMB, SLC Cache, 3D NAND, TRIM, S.M.A.R.T., Graphene Heat Spreader, Backward Compatible
Compatible Devices	Desktop, Gaming Console (PS5), Laptop
Installation Type	Internal Hard Drive
Item Weight	1.13 ounces
Package Dimensions	3.94 x 2.4 x 0.67 inches



Image: A detailed table outlining the specifications of the ORICO e7400 SSD, including capacity options, corresponding read/write speeds, and Total Bytes Written (TBW) ratings.

7. What's in the Box

The ORICO e7400 NVMe SSD package typically includes the following items:

- ORICO e7400 NVMe SSD (512GB)
- Packing box
- Mounting screw
- Screwdriver
- User Manual (this document)



Image: A visual breakdown of the ORICO e7400 SSD package contents, including the SSD unit, its box, a screw, a screwdriver, and the user manual.

8. Warranty and Support

ORICO is committed to providing reliable products and excellent customer service.

- **Warranty:** The ORICO e7400 NVMe SSD comes with a 5-year limited coverage or TBW (Total Bytes Written),

whichever occurs first. Please retain your proof of purchase for warranty claims.

- **Technical Support:** We offer 24-hour technical support to assist you with any product-related inquiries or issues.
- **Lifetime Assistance:** ORICO provides lifetime assistance to ensure you receive continuous help whenever needed.

For warranty claims, technical support, or general inquiries, please visit the official ORICO website or contact our customer service team through the contact information provided on the product packaging or website.

© 2026 ORICO. All rights reserved.

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

Open the live page

https://manuals.plus/asin/B0DKF6QP3J

More documents and user manuals: **https://manuals.plus/**