

ORICO e7400

ORICO e7400 1TB NVMe SSD PCIe 4.0 User Manual

Model: e7400 | Brand: ORICO

1. PRODUCT OVERVIEW

The ORICO e7400 1TB 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 fast data transfer speeds and enhanced system responsiveness.



Image: The ORICO e7400 1TB NVMe SSD, showcasing its design and M.2 form factor.

Key Features:

- **Unparalleled Performance:** PCIe Gen4.0 x4 interface with read speeds up to 7400MB/s and write speeds up to 6600MB/s.
- **Advanced Caching:** Features HMB (Host Memory Buffer) technology and dynamic SLC Cache for optimized load times and sustained performance.
- **Efficient Heat Dissipation:** Equipped with a graphene heat spreader to prevent overheating and maintain stable

performance.

- **Wide Compatibility:** Compatible with game consoles (e.g., PS5), desktops, and laptops.
- **Reliable Technologies:** Supports TRIM and S.M.A.R.T. for drive health and performance management.

Incredible Speed

Ultra-fast PCIe Gen4 SSD speeds for accelerated gaming and content creation

PCIe4.0



The image shows an ORICO e7400 PCIe 4.0 NVMe M.2 SSD. The drive is black with a gold-colored label that features the ORICO logo, the model number 'e7400', and the text 'PCIe 4.0 NVMe M.2 SSD SOLID STATE DRIVE'. The gold label also has a globe icon and the website 'WWW.ORICO.CC'. The drive is shown at an angle, highlighting its M.2 form factor and the PCIe connector.

Read Speed
7400 UP TO MB/s

Write Speed
6600 UP TO MB/s

Read up to 7400MB/s

PCIe 4.0

PCIe 3.0

2X Faster than PCIe 3.0 SSD

Image: Visual representation of the ORICO e7400's read and write speeds (7400MB/s read, 6600MB/s write) compared to PCIe 3.0 SSDs.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- ORICO e7400 SSD
- Packing box
- Mounting Screw
- Screwdriver
- User Manual



Image: The ORICO e7400 SSD and included screwdriver, part of the package contents.

3. SETUP AND INSTALLATION

The ORICO e7400 is an M.2 2280 NVMe SSD. Installation typically involves inserting the drive into a compatible M.2 slot on your motherboard or device.

Compatibility:

- Desktops with an available M.2 PCIe Gen4 x4 slot.
- Laptops with an available M.2 PCIe Gen4 x4 slot.
- Sony PlayStation 5 (PS5) consoles.

PCIe 4.0 x 4 Interface

M.2 2280 NVMe SSD

Works with PCIe



one notch
slot only



Image: The ORICO e7400 SSD being installed into an M.2 slot, highlighting the PCIe 4.0 x4 interface and single notch design.

General Installation Steps (for Desktops/Laptops):

1. **Power Off:** Ensure your computer is completely powered off and unplugged from the power source.
2. **Access M.2 Slot:** Open your computer case or laptop chassis to locate the M.2 slot. Consult your device's manual for specific instructions.
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, then secure it with the provided screw.

5. **Reassemble:** Close your computer case or laptop chassis.
6. **Power On:** Reconnect power and turn on your computer.

For PS5 installation, refer to the official PlayStation 5 expansion slot instructions for detailed guidance.

4. OPERATING AND INITIALIZING THE SSD

After physical installation, a new SSD typically needs to be initialized and formatted before it can be used by the operating system.

Initializing and Formatting (Windows Example):

1. **Access Disk Management:** Right-click on the Start button (Windows icon) and select "Disk Management."
2. **Initialize Disk:** A prompt may appear to initialize the new SSD. Choose GPT (GUID Partition Table) for modern systems.
3. **Create New Simple Volume:** Locate the unallocated space on your new ORICO SSD. Right-click on it and select "New Simple Volume."
4. **Follow Wizard:** Follow the on-screen wizard to assign a drive letter, choose a file system (NTFS is common for Windows), and perform a quick format.
5. **Completion:** Once formatted, the new drive will appear in "This PC" or "My Computer."

For macOS or Linux, consult your operating system's documentation for disk utility procedures.

Your browser does not support the video tag.

Video: Instructions on how to format a new SSD in Windows, addressing issues where the computer may not recognize the drive initially.

5. MAINTENANCE

Solid State Drives generally require less maintenance than traditional HDDs. However, some practices can help ensure optimal performance and longevity:

- **TRIM Support:** Ensure your operating system has TRIM enabled. This command helps the SSD manage its stored data more efficiently, preventing performance degradation over time. Modern operating systems usually enable TRIM by default.
- **Firmware Updates:** Periodically check the ORICO website for any available firmware updates for your e7400 SSD. Firmware updates can improve performance, stability, and compatibility.
- **Temperature Management:** The ORICO e7400 includes a graphene heat spreader. Ensure adequate airflow within your computer case to assist with heat dissipation, especially under heavy loads.

Graphene Heat Spreader

High-perf controller + smart temp control &
graphene heat spreader

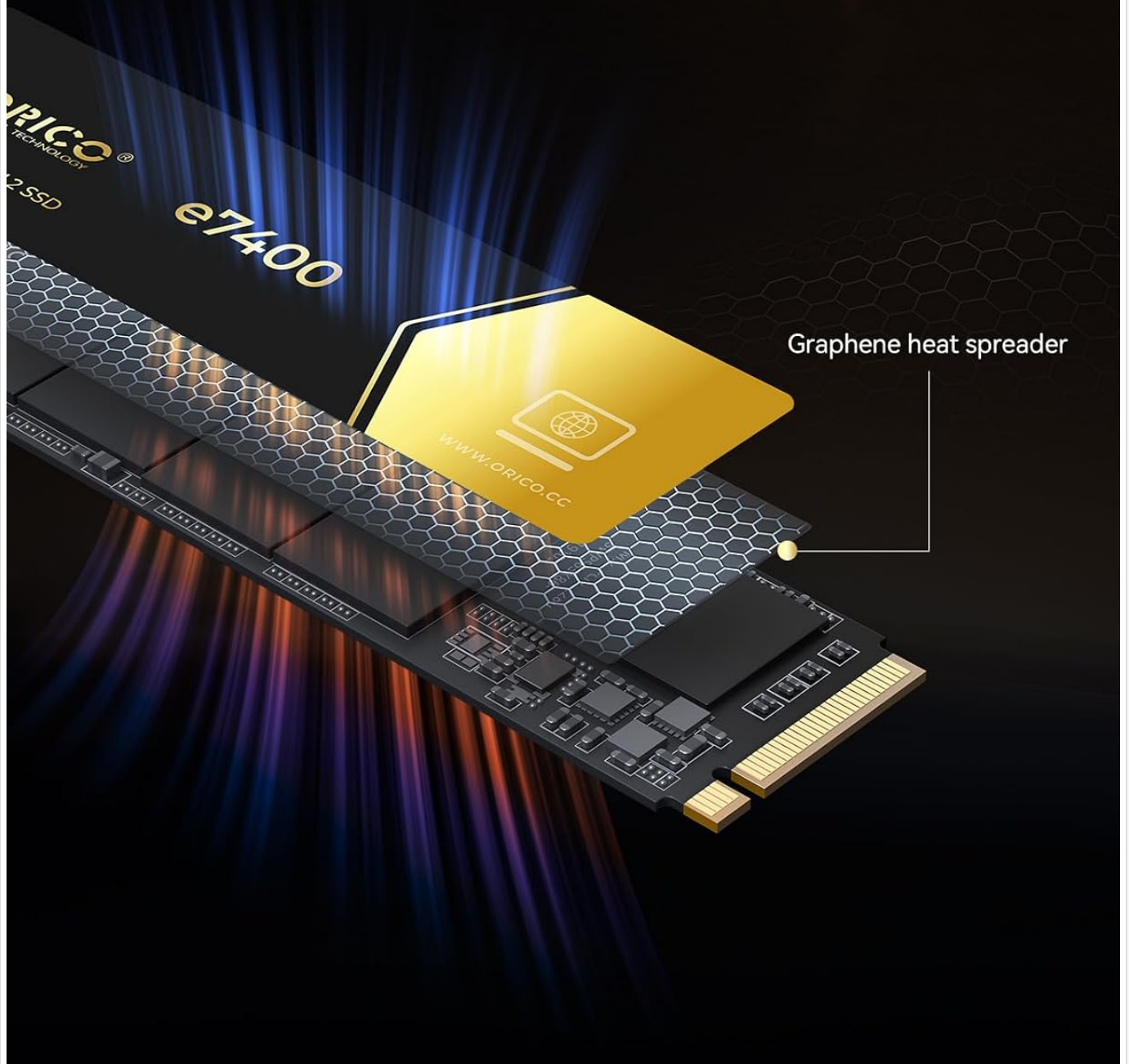


Image: The ORICO e7400 SSD highlighting its integrated graphene heat spreader, designed for effective thermal management.

6. TROUBLESHOOTING

If you encounter issues with your ORICO e7400 SSD, consider the following troubleshooting steps:

- **SSD Not Detected:**
 - Ensure the SSD is correctly seated in the M.2 slot.
 - Check your motherboard's BIOS/UEFI settings to confirm the M.2 slot is enabled and configured correctly

(e.g., NVMe mode).

- Refer to the "Initializing and Formatting" section (Section 4) if the drive is detected but not visible in your operating system.
- Watch the video in Section 4 for guidance on formatting a new SSD if it's not recognized.

• **Slow Performance:**

- Verify that your system's M.2 slot supports PCIe Gen4 x4. If it's a Gen3 slot, the SSD will operate at Gen3 speeds.
- Ensure your operating system has TRIM enabled.
- Check for background processes that might be heavily utilizing the drive.
- Monitor SSD temperature. Excessive heat can lead to thermal throttling and reduced performance.

• **System Instability/Crashes:**

- Ensure your motherboard BIOS/UEFI is up to date.
- Check for any available SSD firmware updates from ORICO.
- Test the SSD in another compatible system if possible to rule out other hardware issues.

Your browser does not support the video tag.

Video: A demonstration of the ORICO e7400 SSD's performance in a gaming setup, illustrating its speed benefits for avid gamers.

7. SPECIFICATIONS

Detailed technical specifications for the ORICO e7400 1TB NVMe SSD:

Feature	Detail
Digital Storage Capacity	1 TB
Hard Disk Interface	PCIe x 4
Connectivity Technology	PCIe 4.0X4
Brand	ORICO
Special Feature	Backward Compatible
Hard Disk Form Factor	M.2 2280
Hard Disk Description	Solid State Drive
Compatible Devices	Desktop, Gaming Console (PS5), Laptop
Installation Type	Internal Hard Drive
Read Speed	Up to 7400 MB/s
Write Speed	Up to 6600 MB/s
Form Factor	M2
Item Weight	40.82 g
Model Number	e7400-1TB

Product Specification



Image: A table summarizing the specifications including capacity, read speed, write speed, and TBW for various ORICO e7400 models.

8. WARRANTY AND SUPPORT

ORICO is committed to providing reliable products and customer satisfaction.

Warranty Information:

The ORICO e7400 SSD comes with a**5-year limited coverage or TBW (Total Bytes Written)** whichever comes first.

This warranty ensures reliable protection for your product against manufacturing defects.

Technical Support:

ORICO offers **24-hour technical support and lifetime assistance** to ensure you receive continuous help whenever needed. For support, please visit the official ORICO website or contact their customer service.

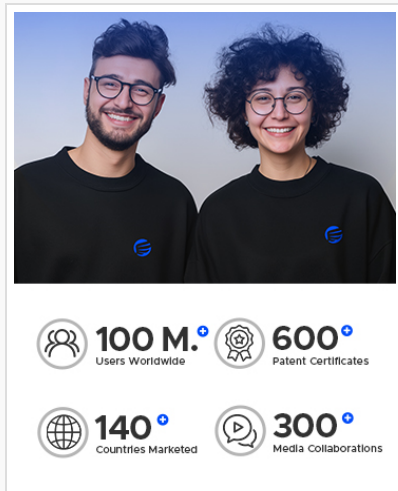


Image: Information about ORICO's brand reputation, highlighting their commitment to users and product quality.

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For the latest information and support, please visit www.orico.cc

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/B0DKF7N487>

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