

[Manuals.plus](#) /

› [Yottamaster](#) /

› Yottamaster Y7000Pro 2TB SSD M.2 PCIe 4.0 User Manual

Yottamaster Y7000 Pro

Yottamaster Y7000Pro 2TB SSD M.2 PCIe 4.0 User Manual

Model: Y7000 Pro

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Yottamaster Y7000Pro 2TB M.2 PCIe 4.0 NVMe Solid State Drive. Please read this manual carefully before using the product to ensure proper functionality and longevity.



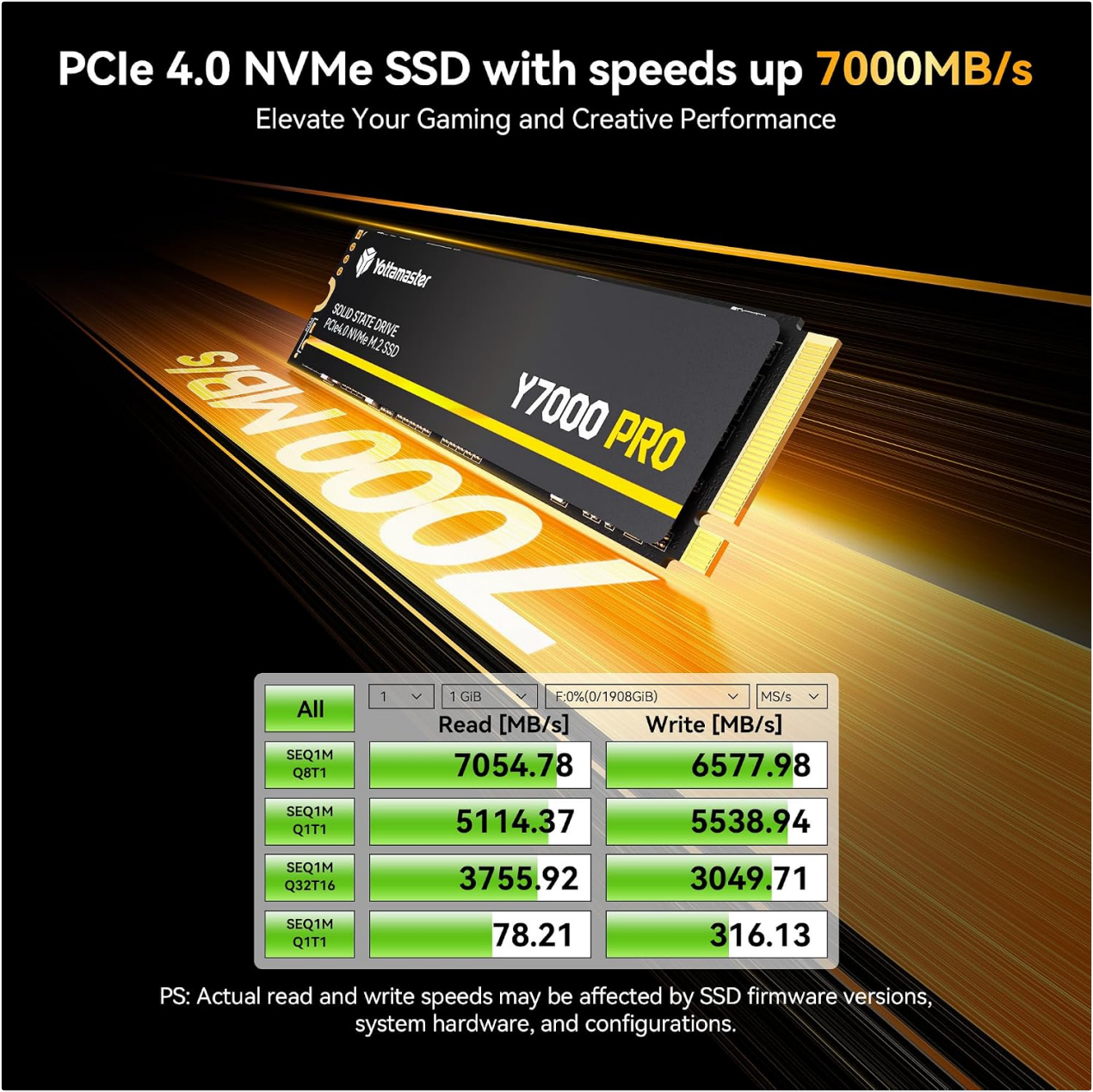
Image: The Yottamaster Y7000Pro 2TB M.2 PCIe 4.0 NVMe SSD, a compact internal storage device.

2. PRODUCT FEATURES

- **Ultra-Fast Performance:** Utilizes PCIe 4.0 interface and 3D QLC NAND Flash for sequential read speeds up to 7,000MB/s and write speeds up to 6,500MB/s.
- **Gaming Optimized:** Designed to reduce game loading times and improve screen smoothness, compatible with PS5 for storage expansion.
- **Robust Data Protection:** Supports SMART algorithms, NCQ, Trim bad block management, and data security features against abnormal power outages.
- **Efficient Thermal Management:** Includes an aluminum cooling vest & base with silicone thermal pads for effective heat dissipation, ensuring stable performance and extended lifespan.
- **Versatile Applications:** Suitable for PS5, PC, desktop storage expansion, data storage, and demanding applications like video editing and content creation.

PCIe 4.0 NVMe SSD with speeds up **7000MB/s**

Elevate Your Gaming and Creative Performance



All	1	1 GIB	F:0%(0/1908GiB)	MS/s
	Read [MB/s]		Write [MB/s]	
SEQ1M Q8T1	7054.78		6577.98	
SEQ1M Q1T1	5114.37		5538.94	
SEQ1M Q32T16	3755.92		3049.71	
SEQ1M Q1T1	78.21		316.13	

PS: Actual read and write speeds may be affected by SSD firmware versions, system hardware, and configurations.

Image: A screenshot displaying benchmark results for the Yottamaster Y7000Pro SSD, showing sequential read speeds exceeding 7000MB/s and write speeds over 6500MB/s.



Image: A graphic illustrating the Yottamaster Y7000Pro's PCIe Gen4 NVMe SSD performance, highlighting 43% faster speeds compared to Gen3, with sequential read up to 7000MB/s and write up to 6500MB/s.

3. WHAT'S IN THE BOX

The Yottamaster Y7000Pro M.2 SSD package typically includes:

- Yottamaster Y7000Pro 2280 NVMe SSD
- Aluminum Cooling Vest
- Aluminum Cooling Base
- Silicone Thermal Pads (x2)
- Mounting Screw
- Instruction Manual

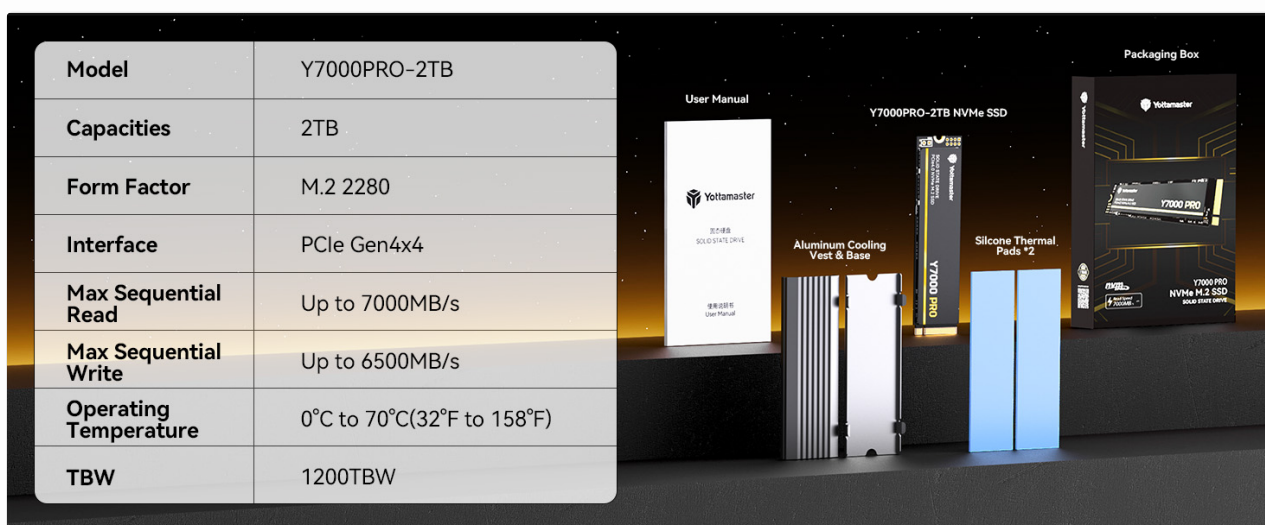


Image: A visual representation of the Yottamaster Y7000Pro package contents, including the SSD, cooling components, and user manual, alongside a table of key specifications.

4. SETUP AND INSTALLATION

The Yottamaster Y7000Pro SSD is designed for internal installation in compatible devices such as PCs, laptops, and gaming consoles (e.g., PS5).

4.1 General Installation (PC/Laptop)

1. **Preparation:** Ensure your computer is powered off and unplugged. Open the computer case or laptop chassis to access the M.2 slot.
2. **Insert SSD:** Gently insert the Yottamaster Y7000Pro SSD into the M.2 slot at a slight angle.
3. **Secure SSD:** Push the SSD down until it is parallel with the motherboard and secure it with the provided mounting screw.
4. **Install Heatsink (Optional but Recommended):** Apply the silicone thermal pads to the SSD, then attach the aluminum cooling vest and base. Ensure proper contact for optimal heat dissipation.
5. **Close Chassis:** Reassemble your computer or laptop.
6. **Initialization:** Power on your computer. The drive may appear as unallocated space. Use Disk Management (Windows) or Disk Utility (macOS) to initialize and format the drive.



Image: Close-up views of the Yottamaster Y7000Pro SSD installed in an M.2 slot on a PC motherboard, demonstrating its integration for storage upgrade.

4.2 PS5 Installation

For PS5 storage expansion, specific steps are required:

1. **Preparation:** Power off your PS5 console completely and disconnect all cables.
2. **Remove Cooling Vest & Base: Important:** To fit the SSD into the PS5 slot, you must remove the metal cooling vest and base that come with the Yottamaster Y7000Pro SSD. Only keep the silicone thermal pad on the SSD.
3. **Access M.2 Slot:** Follow Sony's official instructions to open your PS5 console and access the M.2 expansion slot.
4. **Install SSD:** Insert the SSD with the thermal pad into the M.2 slot and secure it according to PS5 guidelines.
5. **Reassemble PS5:** Close the M.2 slot cover and reassemble your PS5 console.
6. **Format Drive:** Upon powering on, your PS5 will prompt you to format the newly installed SSD. Follow the on-screen instructions.

Note: Refer to your PS5 console's official documentation or support resources for detailed visual guides on accessing and securing the M.2 expansion slot.

5. OPERATING THE SSD

Once installed and formatted, the Yottamaster Y7000Pro SSD operates as a high-speed storage device. It will function like any other internal drive, providing fast access for operating systems, applications, games, and large files.

- **For PC/Laptop:** The SSD will appear as a new drive letter (e.g., D:, E:) or can be used as the primary boot drive for your operating system.
- **For PS5:** Games and applications can be moved to or installed directly on the SSD, significantly reducing loading times.

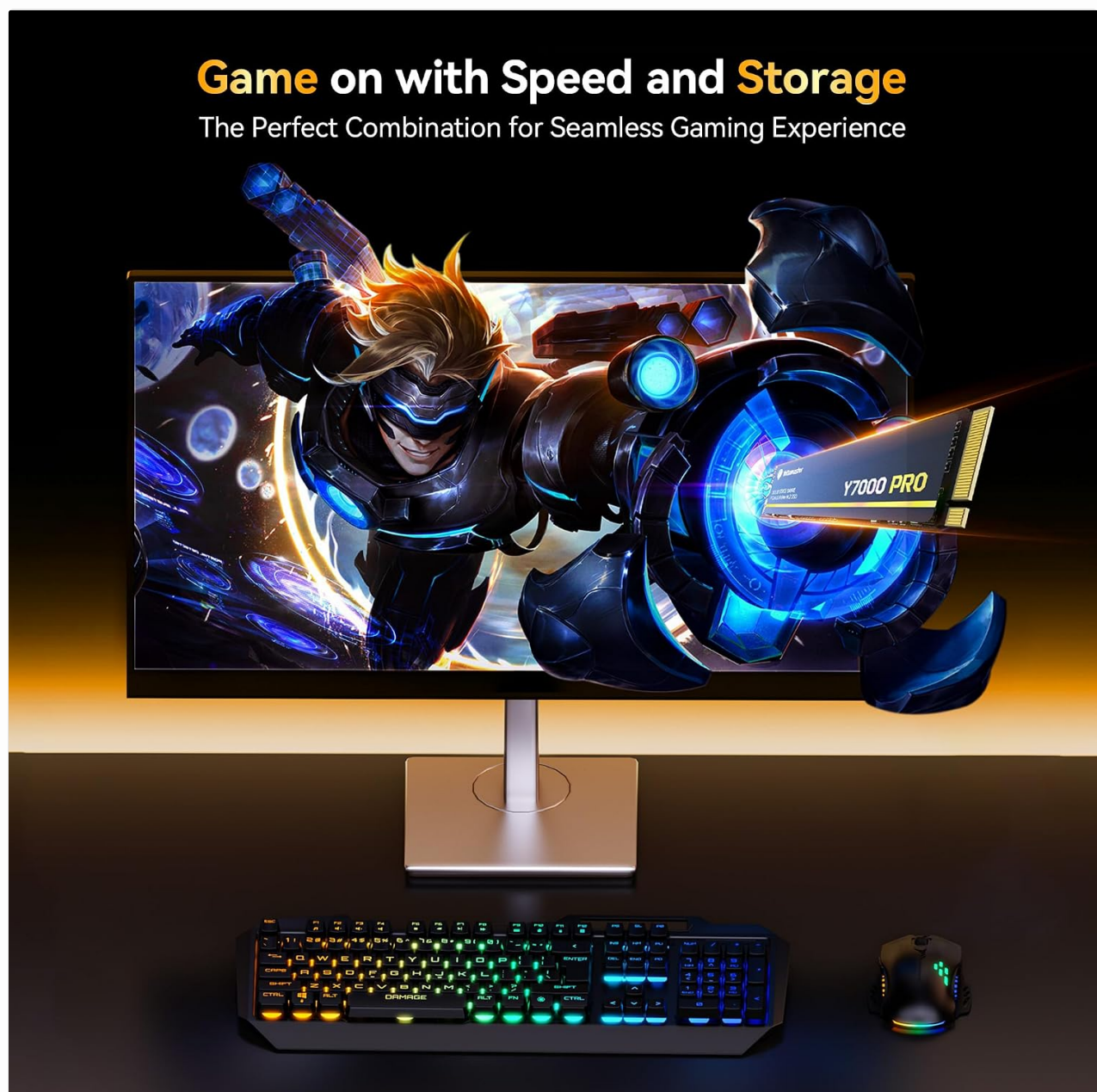


Image: A gaming computer setup featuring a monitor, keyboard, mouse, and a gaming PC, illustrating the Yottamaster Y7000Pro SSD's role in enhancing gaming performance.

More to Use



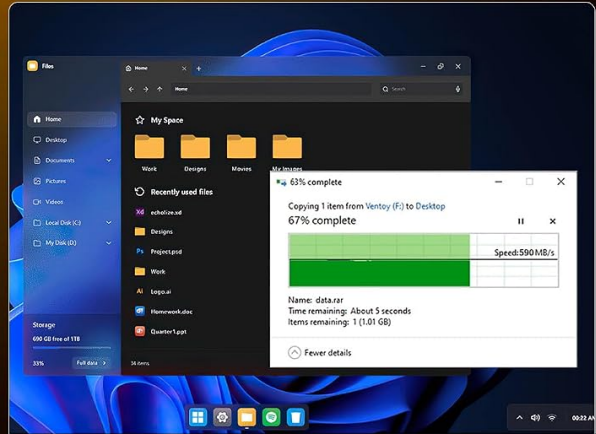
Upgrade SSD for PS5 Storage



Storage Upgrade for Laptop/PC



Video Editing and Content Creation



Data Storage

Image: A collage showing different use cases for the Yottamaster Y7000Pro SSD, including upgrading PS5 storage, PC/laptop upgrades, video editing, and general data storage.

6. MAINTENANCE

Solid State Drives generally require less maintenance than traditional Hard Disk Drives. However, following these guidelines can help ensure optimal performance and longevity:

- **Keep Firmware Updated:** Periodically check the Yottamaster official website for any firmware updates for your SSD model. Firmware updates can improve performance, stability, and compatibility.
- **Enable TRIM:** Ensure that the TRIM command is enabled in your operating system. TRIM helps the SSD manage its storage space efficiently, preventing performance degradation over time. Most modern operating systems enable TRIM by default for SSDs.
- **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 the drive's lifespan.

- **Monitor Health:** Utilize S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) tools to monitor the health and status of your SSD.
- **Proper Shutdown:** Always shut down your system properly to prevent data corruption and ensure the SSD can complete its internal maintenance tasks.

Multilayered **Defense** for Your Data

- ✔ SMART, NCQ, and TRIM Optimization
- ✔ Robust Bad Block Management
- ✔ Exceptional Poweroff Data Protection

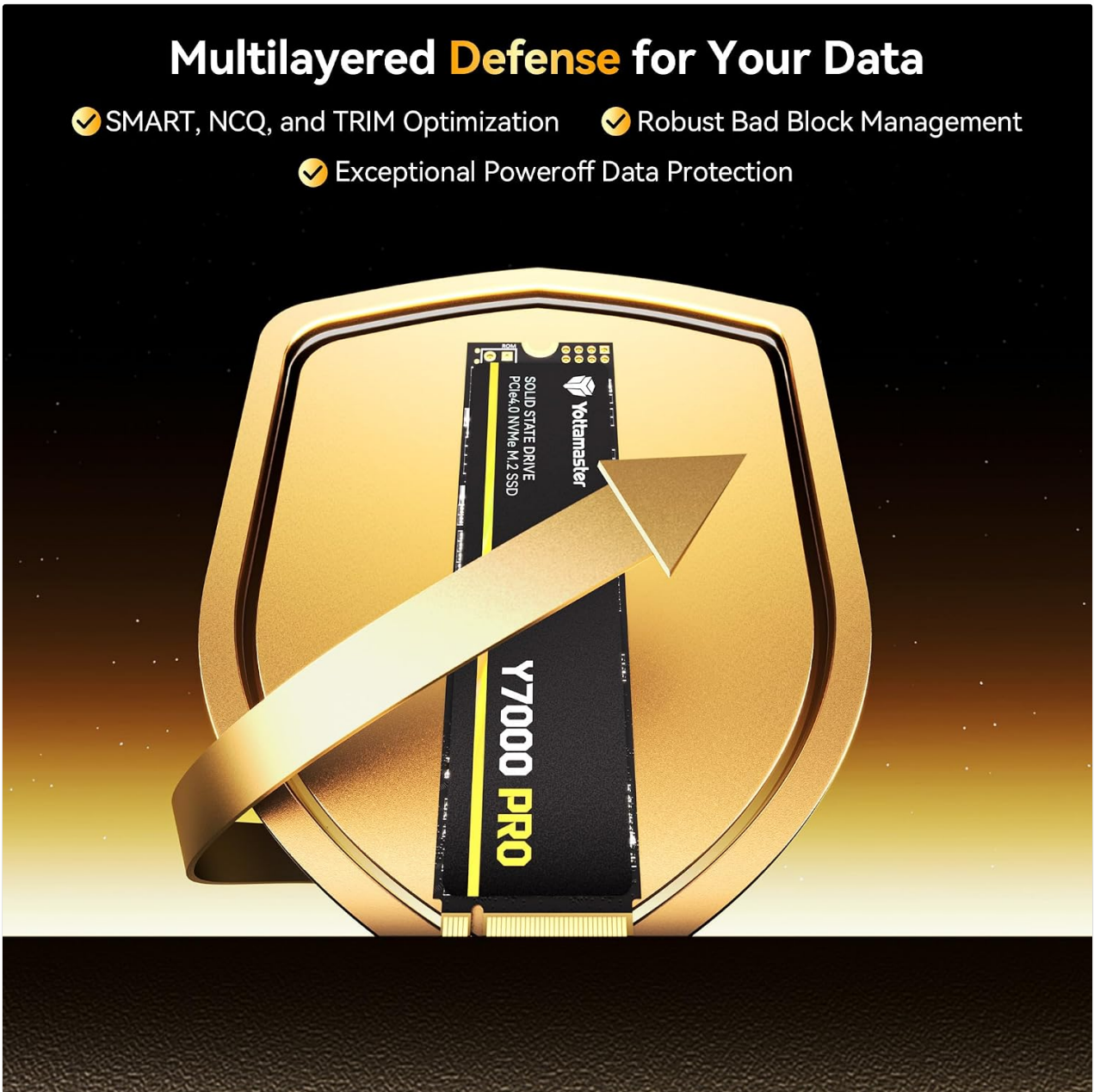


Image: A graphic illustrating the multilayered defense features of the Yottamaster Y7000Pro SSD, including SMART, NCQ, TRIM optimization, robust bad block management, and exceptional power-off data protection.

Efficient Heat Dissipation

Increased Cooling Surface

Aluminum Cooling Vest

Silicone Thermal Pads

Aluminum Cooling Base

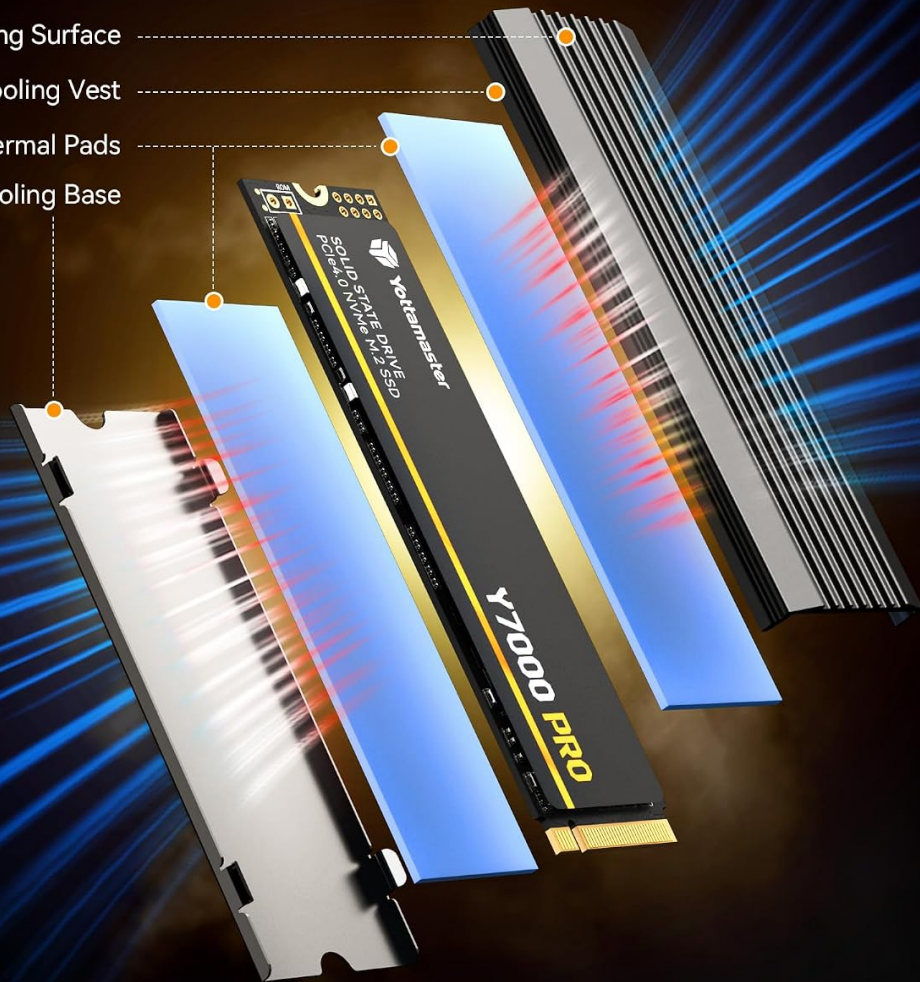


Image: An exploded view diagram showing the components of the Yottamaster Y7000Pro's efficient thermal design, including the aluminum cooling vest, silicone thermal pads, and aluminum cooling base, designed for heat dissipation.

7. TROUBLESHOOTING

• SSD Not Detected:

- Ensure the SSD is correctly seated in the M.2 slot.
- Check BIOS/UEFI settings to confirm the M.2 slot is enabled and configured correctly (e.g., NVMe mode).
- For new installations, the drive may need to be initialized and formatted in Disk Management (Windows) or Disk Utility (macOS/Linux).

• Slow Performance:

- Verify that your system's M.2 slot supports PCIe 4.0. If it's a PCIe 3.0 slot, the SSD will operate at

PCIe 3.0 speeds.

- Ensure TRIM is enabled in your operating system.
- Check for background processes or applications consuming disk resources.
- Ensure the heatsink is properly installed and making good contact with the SSD to prevent thermal throttling.

- **PS5 Installation Issues:**

- If the SSD does not fit or is not recognized by the PS5, ensure you have removed the metal cooling vest and base, using only the silicone thermal pad as instructed in Section 4.2.
- Confirm the SSD is fully seated and secured in the PS5's M.2 expansion slot.

- **Data Corruption/Loss:**

- Ensure proper system shutdowns.
- Regularly back up important data.
- If issues persist, contact Yottamaster support.

8. SPECIFICATIONS

Feature	Specification
Model	Y7000 Pro
Digital Storage Capacity	2 TB
Form Factor	M.2 2280
Interface	PCI Express 4.0 (PCIe Gen4x4)
Max Sequential Read Speed	Up to 7000 MB/s
Max Sequential Write Speed	Up to 6500 MB/s
NAND Flash Type	3D QLC NAND Flash
Operating Temperature	0°C to 70°C (32°F to 158°F)
Total Bytes Written (TBW)	1200 TBW
Item Weight	1.76 ounces
Compatible Devices	Desktop, Gaming Console (PS5), Laptop
Color	Black

9. WARRANTY AND SUPPORT

The Yottamaster Y7000Pro SSD comes with a **5-year limited assurance service** or a **1200 TBW durability rating**, whichever comes first. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or further assistance, please visit the official Yottamaster website or contact their customer service directly.



Image: A visual representation of the Yottamaster Y7000Pro SSD with a large '5' indicating the five-year service period or 1200TBW durability rating.

