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fanxiang S660

fanxiang S660 PCIe 4.0 NVMe M.2 SSD User Manual

Model: S660 | Brand: fanxiang

Introduction

The fanxiang S660 PCIe 4.0 NVMe M.2 SSD is a high-performance internal solid-state drive designed for enhanced storage and speed. Featuring a built-in heatsink, it is compatible with both PlayStation 5 consoles and various PC setups, offering read speeds up to 5000MB/s. This manual provides essential information for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your SSD.



Image: The fanxiang S660 PCIe 4.0 NVMe M.2 SSD, showcasing its sleek design and integrated heatsink.

Setup and Installation

Heatsink Assembly (if not pre-assembled)

The S660 SSD comes with a heatsink for optimal thermal management. If your heatsink is not pre-assembled, follow these steps:

1. Carefully remove the protective film from the thermal pads.
2. Place the thicker thermal pad onto the heatsink base.
3. Position the SSD onto the thermal pad, ensuring the chips face upwards.
4. Place the thinner thermal pad onto the top of the SSD.
5. Align the heatsink cover over the SSD and thermal pads, pressing firmly until it clicks into place.



Image: Visual guide demonstrating the assembly of the heatsink onto the S660 SSD.

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Video: Detailed instructions on how to install the heatsink onto the fanxiang S660 M.2 2280 NVMe SSD.

PS5 Installation

To expand your PlayStation 5 storage, follow the official PS5 M.2 SSD installation guide. The fanxiang S660 SSD with its integrated heatsink is designed for perfect compatibility.

1. Power off your PS5 console completely and disconnect all cables.
2. Place the PS5 on a soft cloth on a flat surface.
3. Remove the console's cover to access the expansion slot.
4. Remove the screw and spacer from the expansion slot.
5. Insert the fanxiang S660 SSD into the expansion slot at an angle, then push it down and secure it with the screw and spacer.
6. Reattach the expansion slot cover and the console cover.
7. Reconnect all cables and power on your PS5. The console will prompt you to format the new M.2 SSD.

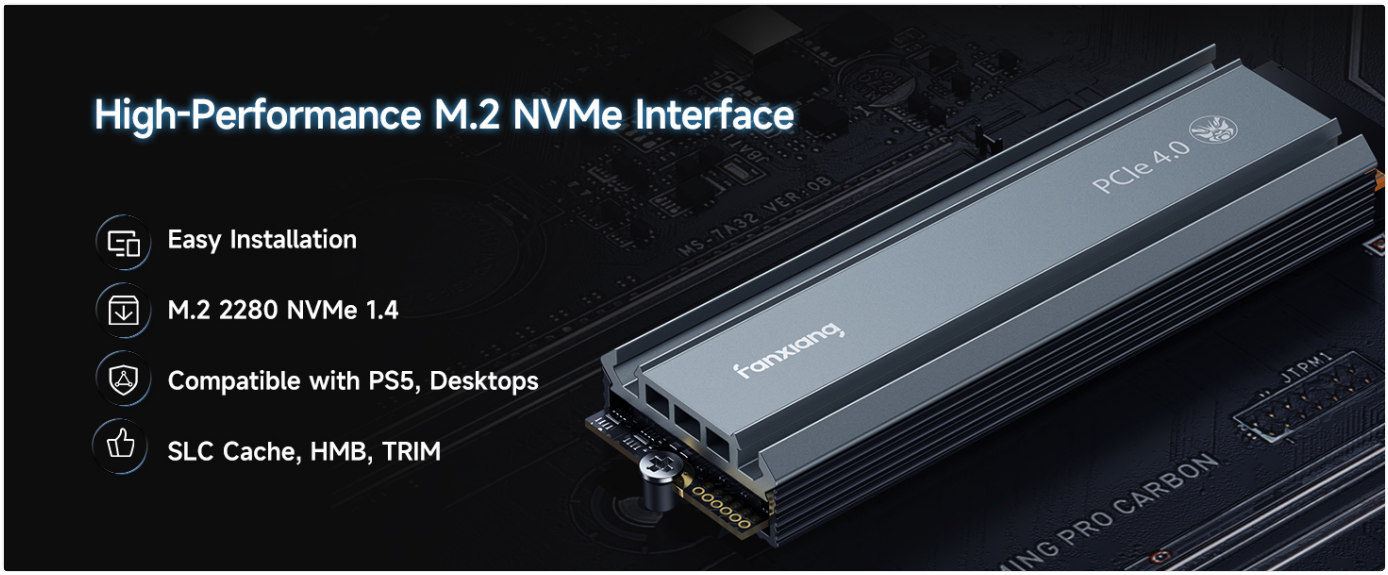


Image: The fanxiang S660 SSD being inserted into the M.2 expansion slot of a PlayStation 5 console.

Your browser does not support the video tag.

Video: Step-by-step guide on the installation process of the fanxiang S660 M.2 SSD into a PS5 console.

PC Installation

For PC installation, locate an available M.2 slot on your motherboard. The S660 SSD is compatible with PCI Express 4.0 slots.

1. Ensure your computer is powered off and unplugged.

2. Open your computer case and locate an available M.2 slot on the motherboard.
3. Remove the retaining screw from the M.2 slot.
4. Insert the fanxiang S660 SSD into the M.2 slot at a 30-degree angle.
5. Gently push the SSD down and secure it with the retaining screw.
6. Close your computer case and power on the system.



Image: The fanxiang S660 SSD with its heatsink, shown installed in an M.2 slot on a PC motherboard.

Operating Instructions

Formatting the SSD

After physical installation, the SSD must be formatted before use. For PS5, the console will automatically prompt you to format the drive. For PC, follow these steps:

1. Right-click on the Start button and select "Disk Management".
2. Locate the unallocated space corresponding to your new fanxiang S660 SSD.
3. Right-click on the unallocated space and select "New Simple Volume".
4. Follow the on-screen wizard to assign a drive letter and format the drive (NTFS is recommended for Windows).
5. Once formatting is complete, the SSD will be ready for use.

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Video: Guide on how to format and partition the S660 M.2 SSD for use with a PC, including a speed test demonstration.

Data Transfer and Performance

The S660 SSD offers high-speed data transfer, significantly reducing game loading times and application launch times. Its PCIe 4.0 interface and Dynamic SLC Cache ensure efficient performance.



Image: A chart comparing the extreme performance of PCIe Gen4x4 (5000MB/s) with older interfaces like PCIe Gen3x4 (3400MB/s) and SATA (560MB/s).



Image: A diagram explaining the Dynamic SLC Cache technology used in fanxiang SSDs, highlighting its role in enhancing performance.

Maintenance

- **Regular Backups:** Always back up important data to prevent loss.
- **Firmware Updates:** Check the fanxiang official website periodically for firmware updates to ensure optimal performance and compatibility.
- **Avoid Sudden Power Loss:** Ensure your system has stable power to prevent data corruption or damage to the SSD.
- **Keep Cool:** The integrated heatsink helps maintain optimal operating temperatures. Ensure adequate airflow around your console or PC to prevent overheating.
- **Avoid Physical Damage:** Handle the SSD carefully during installation and avoid dropping or bending it.

Troubleshooting

SSD Not Detected:

- Ensure the SSD is correctly seated in the M.2 slot.
- Verify that the retaining screw is properly tightened.
- Check Disk Management (PC) or Storage settings (PS5) to see if the drive is recognized but unformatted.

- Restart your system.

Slow Performance:

- Ensure your M.2 slot supports PCIe 4.0 for maximum speed.
- Check if the SSD is nearly full; performance can degrade when storage is almost exhausted.
- Verify that the heatsink is properly installed and making good contact with the SSD.
- Ensure your system's drivers and firmware are up to date.

Formatting Issues:

- For PS5, ensure you follow the on-screen prompts carefully.
- For PC, try formatting the drive using a different method or tool if Disk Management fails.
- Ensure there are no other processes interfering with the formatting.

SPECIFICATIONS

Feature	Detail
Digital Storage Capacity	4 TB (Other capacities available: 500GB, 1TB, 2TB)
Hard Disk Interface	NVMe
Connectivity Technology	PCI Express 4.0
Brand	fanxiang
Model Name	S660
Form Factor	M.2 2280
Read Speed	Up to 5000 MB/s
Write Speed	Up to 4500 MB/s (Sequential Writes)
Compatible Devices	Sony PlayStation 5, Desktop PCs
Special Feature	Integrated Heatsink, Portable
NAND Type	3D NAND TLC with SLC Cache
Item Weight	30 Grams
Item Dimensions (L x W x Thickness)	3.15"L x 0.87"W x 0.39"Th



Image: An illustration showing the various capacities available for the fanxiang S660 SSD, including 500GB, 1TB, 2TB, and 4TB.

Warranty and Support

The fanxiang S660 NVMe SSD comes with a**5-year manufacturer's warranty** and a **3-year quality guarantee**. For any issues or inquiries, please contact our professional after-sales support team. You can find contact information on the official fanxiang website or through your purchase platform.
Additional support resources, including FAQs and updated drivers, may be available on thefanxiang Store.



Image: A shield graphic indicating a 5-year warranty, symbolizing product reliability and support.

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