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> [JEYI SK4 NVMe PCI-E Adapter with Warship iStorm Cooler User Manual](#)

## JEYI SK4+Warship iStorm

# JEYI SK4 NVMe PCI-E Adapter with Warship iStorm Cooler User Manual

Model: SK4+Warship iStorm

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of the JEYI SK4 NVMe PCI-E Adapter with Warship iStorm Cooler. This product is designed to allow M.2 NVMe SSDs (PCIe protocol) to be used in a standard PCI Express X4, X8, or X16 slot, enhancing system performance with its PCIe 3.0 GEN3 full-speed design and integrated high-speed signal amplification technology. It is equipped with a cooling solution to maintain optimal SSD temperatures.

## 2. SAFETY INFORMATION

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- Always disconnect power from your computer before installing or removing any internal components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to prevent electrostatic discharge (ESD) damage to components.
- Handle the adapter and SSD by their edges to avoid touching sensitive components.
- Ensure proper ventilation within your computer case to prevent overheating.
- Do not attempt to modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1x JEYI PCIe 3.0 X4 NVMe Adapter Card
- 1x JEYI Warship iStorm Cooler with Fan
- Mounting screws and accessories (e.g., thermal pads, screwdriver if included)



**Figure 3.1:** Included components. This image illustrates the heat sink, U frame, and different thicknesses of thermal pads (0.5mm, 1mm, 0.8mm) that are part of the package.

## 4. SPECIFICATIONS

Feature	Description
Brand	JEYI
Model	SK4+Warship iStorm
Manufacturer Reference	N27361-G
Hardware Interface	PCI Express 3.0 X4
Compatible PCIe Slots	PCIe X4, X8, X16
Supported SSDs	NVMe M.2 SSDs (PCIe protocol)
Unsupported SSDs	M.2 NGFF disks (SATA protocol)
Cooling	Integrated Warship iStorm Cooler with Fan
Power Supply	SATA 15-Pin 5V (for cooler fan)
Features	JEYI high-speed signal enhancement technology, PCIe 3.0 GEN3 full-speed design, large capacity tantalum capacitor for stable voltage filtering.

Feature	Description
UPC	761882095002

Product parameters

Brand: JEYI  
Name: PCIE 3.0 X4 NVMe Expansion Riser  
Model: SK4  
Support: NVMe m.2 SSD (various PCIE protocols)  
Not support: m.2 NGFF disk (for SATA protocol)  
Slot: Support PCIE X4 X8 X16  
Service: factory Outlet, five-year warranty  
advantage:  
1, integrated JEYI high-speed signal enhancement technology;  
2, PCIE3.0 GEN3 full speed design;  
3, not stuck, the motherboard self-test does not delay;  
4, with large capacity tantalum capacitor constant voltage filtering.

Professional storage, JEYI is serious!

**Figure 4.1:** Detailed product parameters. This image provides a summary of the product's key specifications, including its name, model, supported SSD types, and PCIe slot compatibility.

## 5. SETUP

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### 5.1. Installing the M.2 NVMe SSD

1. Carefully align your M.2 NVMe SSD with the M.2 slot on the JEYI SK4 adapter. The adapter supports various M.2 SSD lengths (2230, 2242, 2260, 2280).
2. Insert the SSD into the slot at an angle and gently push it down until it is parallel with the adapter board.
3. Secure the SSD with the provided screw or movable copper stud at the appropriate length. The adapter includes movable copper studs to accommodate different M.2 SSD lengths.



**Figure 5.1:** M.2 SSD length compatibility. This image illustrates how the adapter supports various M.2 SSD lengths (2230, 2242, 2260, 2280) using movable copper studs.

## 5.2. Installing the Warship iStorm Cooler

1. Apply the thermal pads to the M.2 NVMe SSD. Ensure good contact between the SSD chips and the thermal pads.
2. Place the Warship iStorm cooler assembly over the SSD and adapter, aligning the mounting holes.
3. Secure the cooler to the adapter using the provided screws. Do not overtighten.

## 5.3. Installing the Adapter into a PCIe Slot

1. Power off your computer and disconnect the power cable.
2. Open your computer case.
3. Locate an available PCI Express X4, X8, or X16 slot on your motherboard.
4. Remove the corresponding expansion slot cover from your computer case.
5. Carefully insert the JEYI SK4 adapter into the chosen PCIe slot, ensuring it is fully seated.
6. Secure the adapter to the computer case with a screw.



**Figure 5.2:** Assembled adapter card. This image shows the JEYI SK4 adapter with the Warship iStorm cooler and an M.2 NVMe SSD installed, ready to be inserted into a PCIe slot.

#### 5.4. Connecting the Power Cable

1. Locate the small power cable extending from the Warship iStorm cooler.
2. Connect the SATA 15-Pin 5V connector of this cable to an available SATA power connector from your power supply unit (PSU). This connection is essential for the cooling fan to operate.



**Figure 5.3:** Cooler power connection. This image highlights the 50cm long SATA 15-Pin 5V power cable that connects the cooler fan to the power supply unit.

## 6. OPERATING

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After successful installation, close your computer case, reconnect the power cable, and power on your computer.

- **Driver Installation:** Most modern operating systems (Windows 10/11, Linux kernels 4.0+, macOS) have native support for NVMe SSDs and typically do not require additional drivers. If the SSD is not detected, check your motherboard's BIOS/UEFI settings to ensure PCIe slots are configured correctly and NVMe support is enabled.
- **SSD Initialization:** For a new SSD, you may need to initialize it and create partitions using your operating system's disk management tools before it can be used.
- **Cooling Performance:** The integrated Warship iStorm cooler with its fan will automatically operate to dissipate heat from the NVMe SSD, helping to maintain optimal performance and prevent thermal throttling.



**Figure 6.1:** Cooling performance indication. This image suggests that the iStorm Pro cooler can reduce SSD temperatures by 10-40°C, contributing to stable operation.

## 7. MAINTENANCE

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- **Cleaning:** Periodically inspect the cooler fan and heatsink for dust accumulation. Use compressed air or a soft brush to gently remove dust. Ensure the computer is powered off and unplugged before cleaning.
- **Connection Check:** Occasionally verify that the adapter is securely seated in the PCIe slot and that the SATA power cable for the cooler is firmly connected.
- **Thermal Pads:** If you need to remove and re-install the SSD or cooler, inspect the thermal pads. Replace them if they appear damaged or have lost their adhesive properties to ensure effective heat transfer.



**Figure 7.1:** Cooling design. This image shows the double-sided copper holes on the adapter, which are designed to enhance heat dissipation and improve overall cooling efficiency.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
SSD not detected by the system.	<ul style="list-style-type: none"> <li>Adapter not fully seated in PCIe slot.</li> <li>M.2 NVMe SSD not properly installed on the adapter.</li> <li>Motherboard BIOS/UEFI settings.</li> <li>SSD is M.2 NGFF (SATA protocol) instead of NVMe (PCIe protocol).</li> </ul>	<ul style="list-style-type: none"> <li>Ensure the adapter is firmly seated in the PCIe slot.</li> <li>Re-seat the M.2 NVMe SSD on the adapter.</li> <li>Check BIOS/UEFI for PCIe slot configuration and NVMe support.</li> <li>Verify that your SSD is an NVMe (PCIe) type, not an NGFF (SATA) type. This adapter does not support SATA M.2 SSDs.</li> </ul>
Cooling fan not spinning.	<ul style="list-style-type: none"> <li>SATA power cable not connected or loose.</li> <li>Fan malfunction.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure the SATA 15-Pin 5V power cable is securely connected to both the cooler and the PSU.</li> <li>Contact support if the fan still does not spin after verifying power connection.</li> </ul>
SSD overheating or thermal throttling.	<ul style="list-style-type: none"> <li>Poor contact with thermal pads.</li> <li>Insufficient airflow in the computer case.</li> <li>Cooling fan not operating.</li> </ul>	<ul style="list-style-type: none"> <li>Re-apply thermal pads, ensuring good contact with the SSD and heatsink.</li> <li>Improve case airflow by adding or repositioning case fans.</li> <li>Refer to "Cooling fan not spinning" troubleshooting steps.</li> </ul>

## 9. WARRANTY AND SUPPORT

### 9.1. Warranty Information

The JEYI SK4 NVMe PCI-E Adapter with Warship iStorm Cooler comes with a **five-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. Please retain your proof of purchase for warranty claims.

## 9.2. Technical Support

For technical assistance, troubleshooting, or warranty inquiries, please contact JEYI customer support through their official website or the retailer from whom you purchased the product.

