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› SYBA SI-PEX40071 SATA III 8-Port PCI-E 2.0 Controller Card User Manual

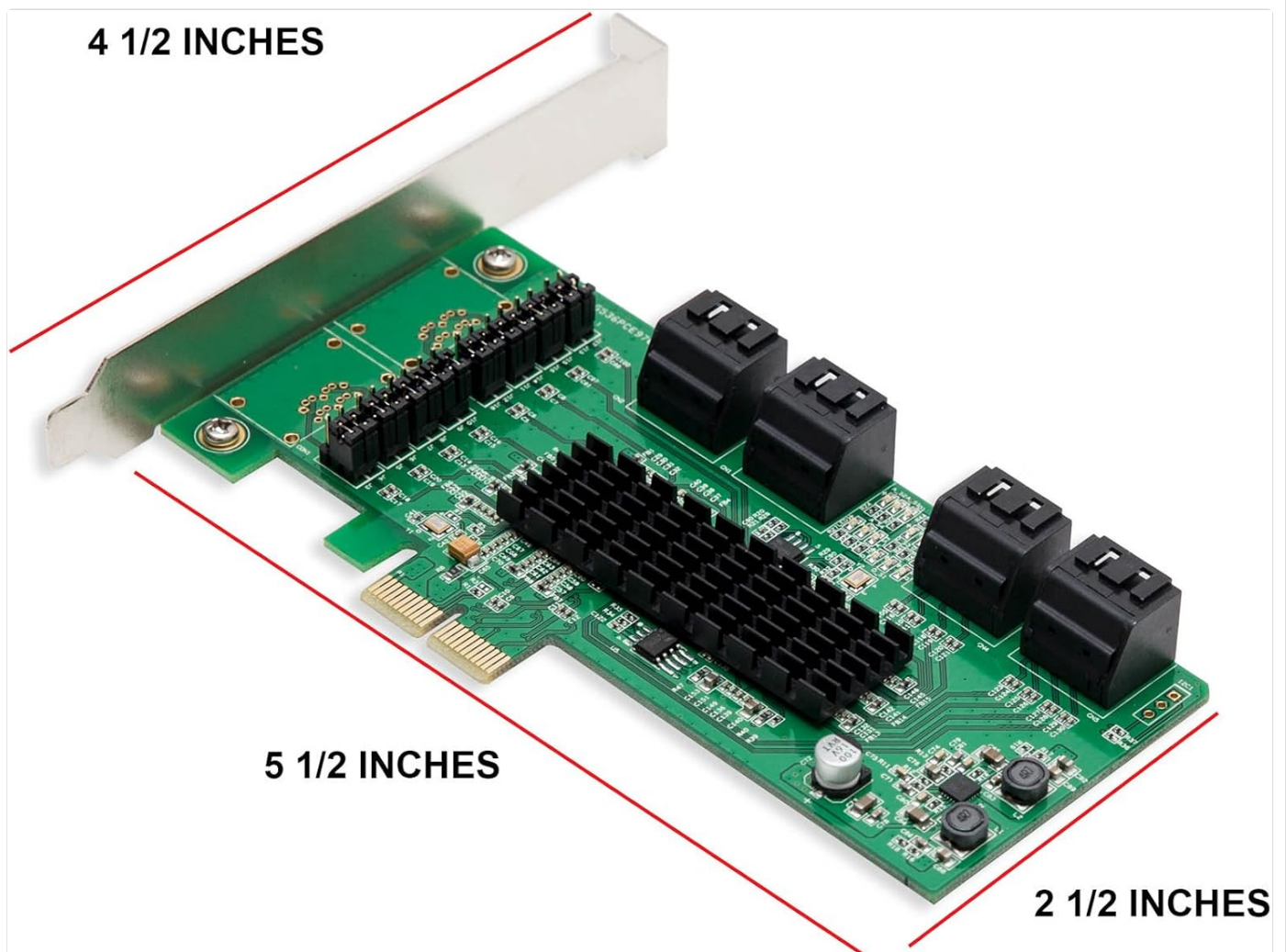
SYBA SI-PEX40071

SYBA SI-PEX40071 SATA III 8-Port PCI-E 2.0 Controller Card User Manual

Model: SI-PEX40071

1. INTRODUCTION

The SYBA SI-PEX40071 is a PCI Express 2.0 x2 host controller card designed to expand your system's storage capabilities by adding eight internal SATA III (6Gbps) ports. This card is ideal for users requiring additional high-speed storage connections for hard drives or solid-state drives, leveraging the Marvell 88SE9705 chipset for reliable performance.



2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- SYBA SI-PEX40071 SATA III 8-Port PCI-E 2.0 Controller Card
- Low-Profile Bracket
- Mini Driver CD
- User Manual
- SATA Data Cables (4x)



Figure 2: The SYBA SI-PEX40071 retail box and its contents, including the controller card, cables, and driver CD.

3. FEATURES

- Supports connection speeds up to 6.0 Gbps, 3.0 Gbps, and 1.5 Gbps.
- Compliant with PCI-Express Specification v2.0 and backward compatible with PCI-Express v1.x.
- Compliant with Serial ATA AHCI (Advanced Host Controller Interface) Specification Rev. 1.0.
- Supports Port Multiplier FIS-based switching or Command-based switching.
- Integrated Marvell 88SE9705 Chipset.
- Supports Native Command Queuing (NCQ).
- Hot-plug capability.

4. SYSTEM REQUIREMENTS

- Available PCI Express x2, x4, x8, or x16 slot.
- Compatible operating system (Windows XP/Vista/7/8/10/11, Windows Server, Linux, macOS).
- SATA data cables for connecting storage devices.

- Power supply with sufficient power for connected SATA devices.

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checklist

1. Ensure your computer is powered off and unplugged from the wall outlet.
2. Gather necessary tools: Phillips head screwdriver.
3. Ground yourself to prevent electrostatic discharge (ESD) damage.

5.2 Hardware Installation

1. Open your computer case. Refer to your computer's manual for specific instructions.
2. Locate an available PCI Express x2 or larger slot on your motherboard.
3. Remove the metal slot cover from the chosen PCI Express slot on the back of your computer case.
4. Carefully align the SYBA SI-PEX40071 card with the PCI Express slot and press down firmly until it is securely seated.
5. Secure the card to the chassis with a screw.
6. If using a small form factor PC, you may need to replace the standard bracket with the included low-profile bracket.

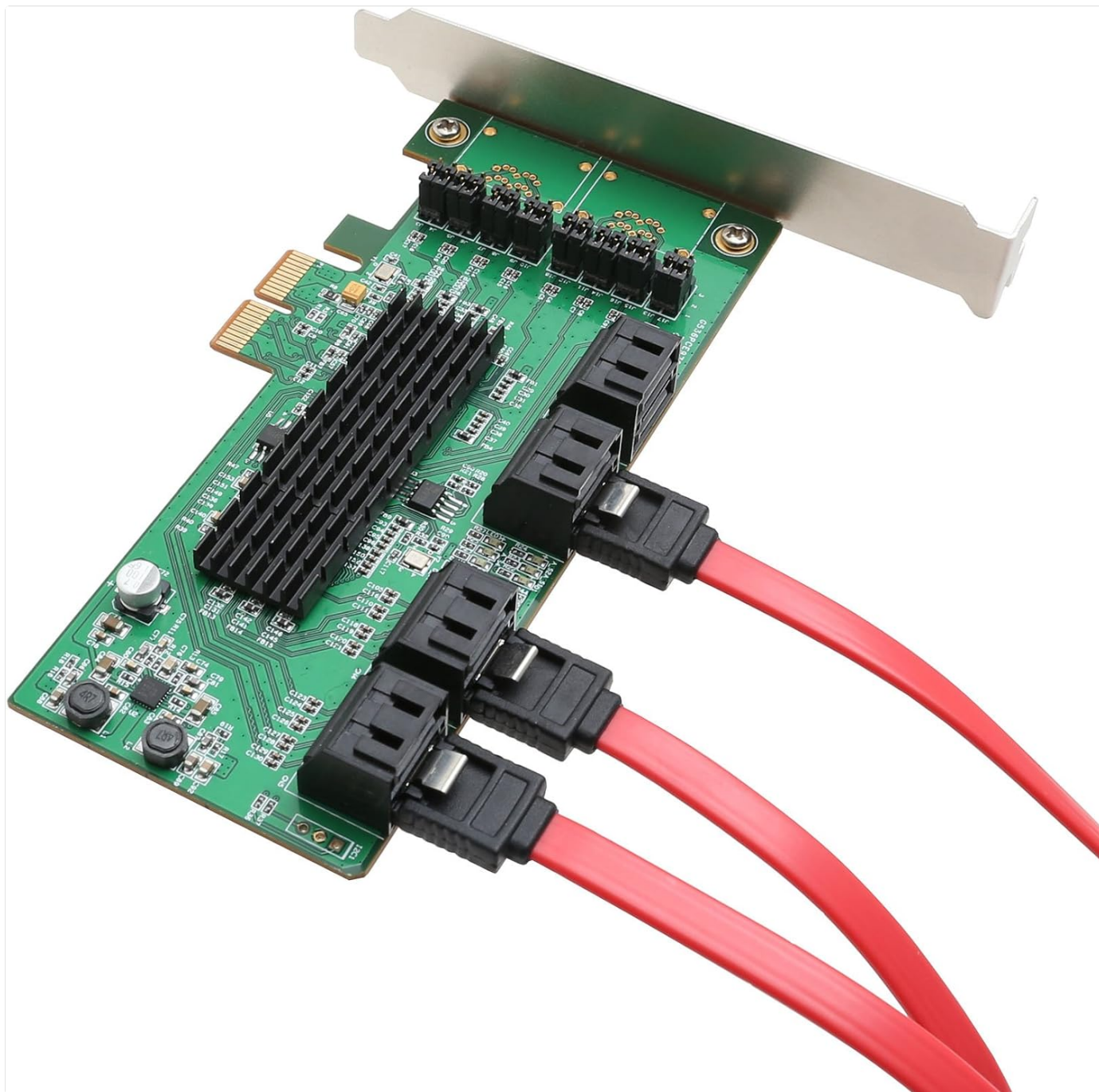


Figure 3: The controller card with three SATA data cables connected to its ports, demonstrating typical usage.

5.3 Connecting SATA Devices

1. Connect one end of a SATA data cable to an available port on the SYBA SI-PEX40071 card.
2. Connect the other end of the SATA data cable to your SATA hard drive or SSD.
3. Ensure your SATA storage devices are connected to a power supply.
4. Repeat for all desired storage devices.

5.4 Driver Installation

Most modern operating systems (Windows 8/10/11, recent Linux kernels) may automatically detect and install the necessary drivers for the Marvell 88SE9705 chipset. If drivers are not automatically installed or if you are using an older operating system:

1. Insert the included Mini Driver CD into your optical drive.
2. Follow the on-screen instructions to install the drivers.
3. Alternatively, download the latest drivers from the official SYBA website (www.sybausa.com) by searching for model

SI-PEX40071.

4. After driver installation, restart your computer.

6. OPERATING INSTRUCTIONS

6.1 Verifying Installation

1. After restarting your computer, open Device Manager (Windows) or equivalent system information utility (Linux/macOS).
2. Look under

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