



Manuals.plus /

› ASHATA /

› ASHATA 2.5Gbps PCI-E FireWire 1394a/b Controller Card User Manual

## ASHATA ASHATAhfsu1y6348

# ASHATA 2.5Gbps PCI-E FireWire 1394a/b Controller Card User Manual

Model: ASHATAhfsu1y6348

## INTRODUCTION

---

This manual provides detailed instructions for the installation, operation, and maintenance of your ASHATA 2.5Gbps PCI-E FireWire 1394a/b Controller Card. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage to the device or your computer system. Keep this manual for future reference.

## SAFETY INFORMATION

---

- Always disconnect power from your computer before opening the case or installing any internal components.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to sensitive electronic components.
- Handle the PCI-E card by its edges to avoid touching the gold connectors or components.
- Ensure the card is correctly seated in the PCI Express slot before securing it.
- Do not force the card into the slot; if it does not fit, recheck the orientation and slot type.
- Keep the product away from moisture, extreme temperatures, and direct sunlight.

## PACKAGE CONTENTS

---

Verify that all items are present in the package:

- ASHATA PCI-E FireWire 1394a/b Controller Card
- FireWire Cable (typically 6-pin to 4-pin or 9-pin to 6-pin, depending on model variant)
- Standard Profile Bracket (pre-installed)
- Low Profile Bracket (optional, for small form factor cases)



Image: The ASHATA PCI-E FireWire Controller Card shown with an included FireWire cable. The card features multiple FireWire ports and is designed for installation into a PCI Express slot.

## PRODUCT FEATURES

---

- Supports simultaneous connection of multiple high-performance devices.
- Features hot-swapping and plug-and-play connectivity for peripheral devices.
- Compatible with various FireWire 800 (1394b) and 1394a devices, including portable hard drives, DV camcorders, digital cameras, CD RW/DVD ROM drives, and other audio/video equipment.
- Utilizes a 1-lane (x1) PCI Express interface with a transfer rate of 2.5Gb/s full duplex channel.
- Compliant with PCI Express Revision 1.0a.
- Compliant with IEEE 1394 OpenHCI Specifications V1.1 and V1.2.
- Compliant with IEEE 1394-1995 for high-performance serial bus standards.

## SPECIFICATIONS

---

<b>Brand</b>	ASHATA
<b>Model Number</b>	ASHATAhfsu1y6348
<b>Hardware Interface</b>	PCI Express x1
<b>Data Transfer Rate</b>	2.5Gb/s (PCIe), 800Mbps (FireWire)
<b>Compatible Devices</b>	Personal Computer, Laptop (with available PCI-E slot)
<b>Operating System Support</b>	Windows 10, Windows Vista (and generally other modern Windows OS versions)
<b>Item Weight</b>	0.09 Kilograms
<b>UPC</b>	711632781990, 711632782423

## SETUP AND INSTALLATION

---

### 1. Preparing Your Computer

- Power Off:** Shut down your computer completely and disconnect the power cable from the wall outlet.
- Open Case:** Open your computer's case. Refer to your computer's manual for specific instructions on how to do this.
- ESD Protection:** Ground yourself by wearing an anti-static wrist strap or by touching a grounded metal object (e.g., the metal frame of your computer case) to discharge any static electricity.

### 2. Installing the FireWire Card

- Locate PCI Express Slot:** Identify an available PCI Express x1 slot on your motherboard. These slots are typically shorter than graphics card slots.
- Remove Slot Cover:** Remove the metal slot cover from the back of your computer case corresponding to the chosen PCI Express slot.
- Insert Card:** Carefully align the FireWire card with the PCI Express slot. Apply even pressure to both ends of the card until it is firmly seated in the slot. Ensure the gold connectors are fully inserted.
- Secure Card:** Secure the card to the computer case using the screw from the removed slot cover or a new screw provided with your case.
- Close Case:** Close your computer case and reconnect the power cable.

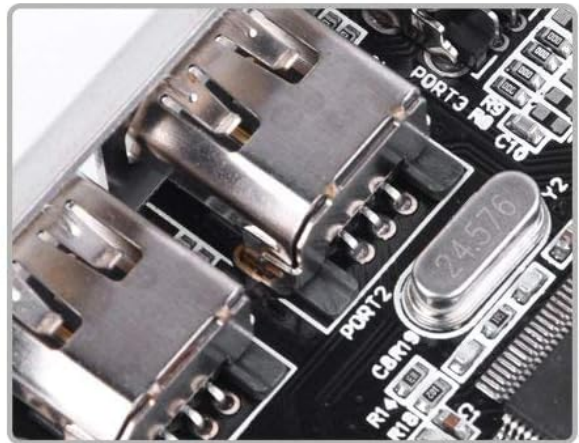
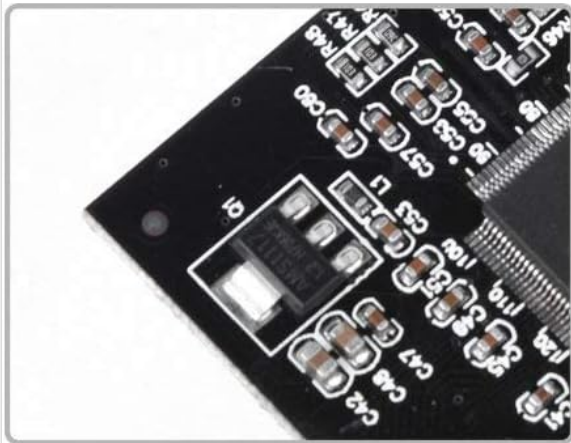
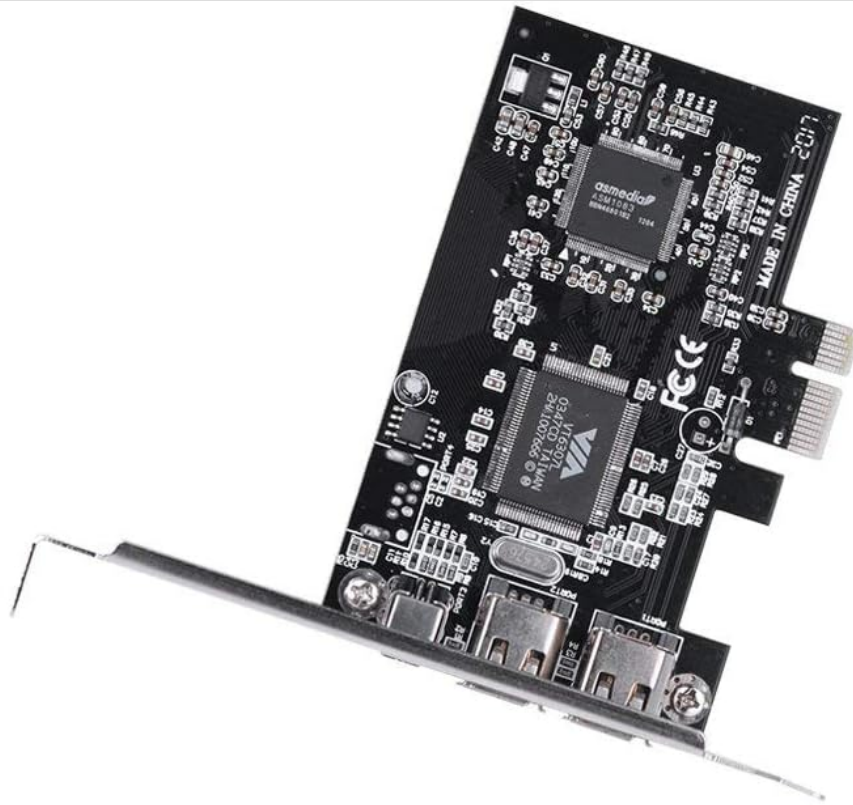


Image: A detailed view of the ASHATA PCI-E FireWire Controller Card, highlighting the main chips and the FireWire ports. This image helps in identifying the components during installation.

### 3. Changing to Low Profile Bracket (Optional)

If your computer case requires a low-profile bracket, follow these steps:

1. **Remove Screws:** Unscrew the two small screws holding the standard-profile bracket to the FireWire card.
2. **Remove Bracket:** Carefully remove the standard-profile bracket.
3. **Attach Low Profile Bracket:** Align the low-profile bracket with the card and secure it with the two screws.

Your browser does not support the video tag.

Video: This video demonstrates the process of attaching the FireWire cable to the card and how to change the bracket from standard to low-profile, which is useful for different computer case sizes.

## OPERATING INSTRUCTIONS

### 1. Driver Installation

Upon booting your computer after installation, the operating system (e.g., Windows 10) should automatically detect the new hardware and install the necessary drivers. No manual driver installation is typically required for

this card.

- If drivers are not automatically installed, check Device Manager for unrecognized devices. You may need to perform a Windows Update or search for drivers on the chipset manufacturer's website (e.g., VIA or ASMedia, as indicated on the card).

## 2. Connecting FireWire Devices

1. **Identify Port Type:** The card features both 6-pin (FireWire 400) and 4-pin (FireWire 400) ports, and potentially 9-pin (FireWire 800) ports depending on the specific model variant. Use the appropriate FireWire cable for your device.
2. **Connect Cable:** Plug one end of the FireWire cable into the corresponding port on the ASHATA controller card and the other end into your FireWire device (e.g., DV camcorder, external hard drive).
3. **Power On Device:** Ensure your FireWire device is powered on.
4. **Device Recognition:** Your operating system should detect the connected device. You can then use appropriate software (e.g., video editing software for camcorders, file explorer for hard drives) to interact with the device.

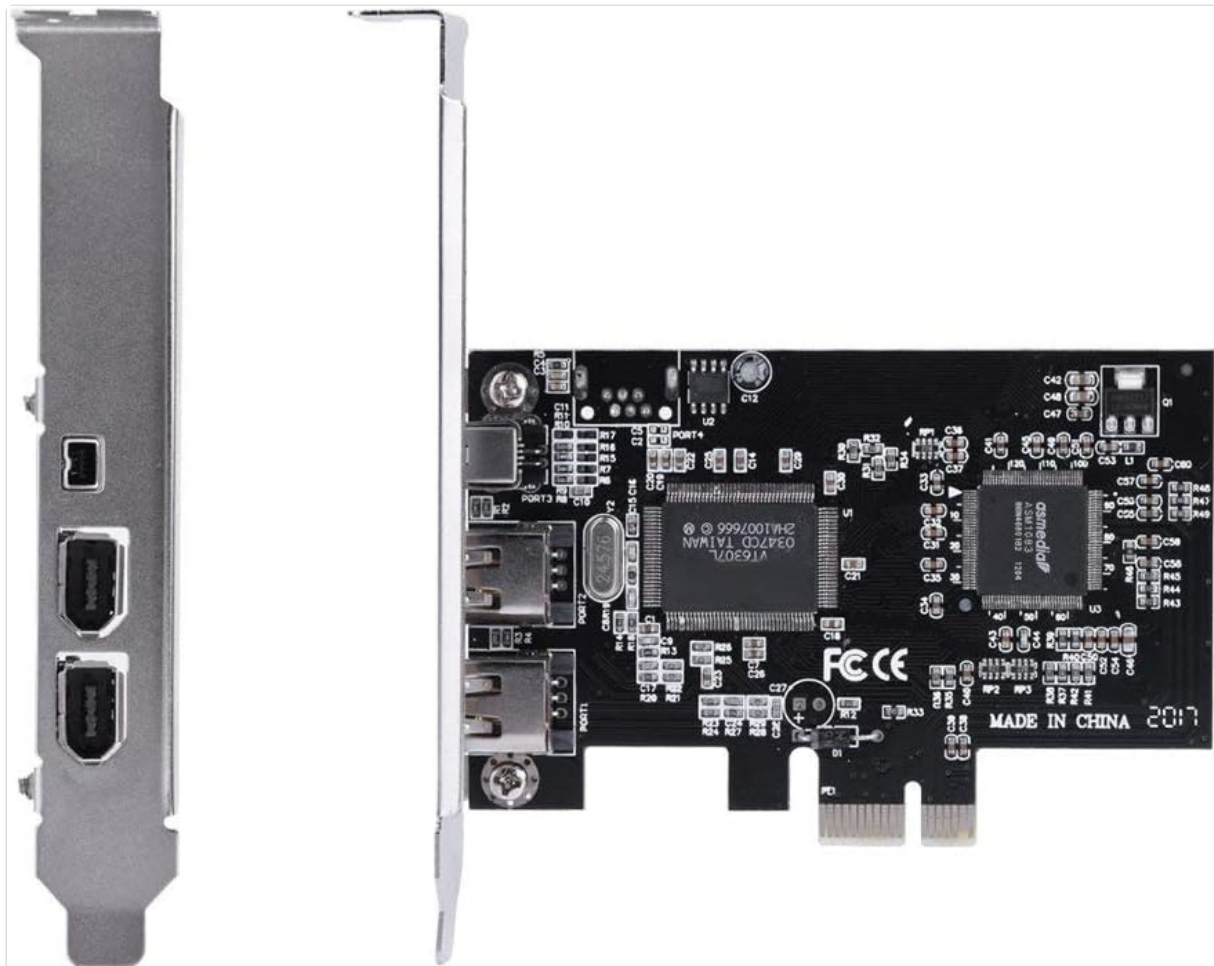


Image: A side view of the FireWire controller card, clearly showing the different types of FireWire ports available for connecting various devices.

## MAINTENANCE

- **Cleaning:** Periodically clean the card and its ports with compressed air to remove dust buildup, which can affect performance and lead to overheating. Ensure the computer is powered off and unplugged before cleaning.
- **Driver Updates:** While typically not required, occasionally check for updated drivers from your operating

system's update service or the chipset manufacturer's website to ensure optimal compatibility and performance.

- **Physical Inspection:** During routine computer maintenance, visually inspect the card for any signs of damage or loose connections.

## TROUBLESHOOTING

---

### Card Not Detected

- **Reseat Card:** Power off the computer, unplug it, open the case, and reseat the FireWire card firmly into the PCI Express slot.
- **Try Another Slot:** If available, try installing the card in a different PCI Express x1 slot to rule out a faulty slot.
- **Check Device Manager:** In Windows, open Device Manager. Look for "IEEE 1394 Host Controller" under "System devices" or "Other devices." If it appears with a yellow exclamation mark, right-click and select "Update driver" or "Uninstall device" and then restart the computer.
- **BIOS/UEFI Settings:** Ensure that the PCI Express slot is enabled in your computer's BIOS/UEFI settings.

### Device Not Recognized

- **Check Cable:** Ensure the FireWire cable is securely connected to both the card and the device. Try a different FireWire cable if possible.
- **Device Power:** Confirm that the FireWire device is powered on and functioning correctly independently.
- **Device Drivers:** Ensure that the specific FireWire device you are connecting has its own drivers installed on your computer, if required.
- **Test with Another Device:** If possible, test the FireWire card with a different FireWire device to determine if the issue is with the card or the original device.

### Slow Transfer Speeds

- **Cable Type:** Ensure you are using a FireWire 800 (9-pin) cable and a FireWire 800 compatible device for maximum speeds. FireWire 400 (4-pin or 6-pin) connections will operate at lower speeds.
- **System Resources:** Close unnecessary applications that might be consuming system resources during data transfer.
- **Driver Integrity:** Verify that the correct and latest drivers are installed for both the FireWire card and the connected device.

## WARRANTY AND SUPPORT

---

For warranty information and technical support, please refer to the ASHATA official website or contact your retailer. Keep your purchase receipt as proof of purchase for warranty claims.

Online resources and FAQs may be available at the ASHATA Store on Amazon.