

ASHATA RTL8191SE

ASHATA RTL8191SE Mini PCI-E Laptop Network Card Instruction Manual

Model: RTL8191SE | Part Numbers: 593034-001, 593533-001

1. INTRODUCTION

Welcome to the instruction manual for your ASHATA RTL8191SE Mini PCI-E Laptop Network Card. This document provides essential information for the proper installation, operation, and maintenance of your network card. Please read this manual thoroughly before installation and retain it for future reference.

2. PRODUCT OVERVIEW

The ASHATA RTL8191SE is a high-speed wireless network card designed for integration into compatible laptop systems. It offers reliable wireless connectivity and supports data transfer rates up to 300Mbps, enhancing your laptop's network capabilities.

Key Features

- High-speed wireless connectivity up to **300Mbps**.
- Standard **Mini PCI-E half-height** interface.
- Compact and durable design for reliable performance.
- Broad compatibility with a range of laptop models.

The network card is compact and delicate, convenient and easy to use.



This image shows the ASHATA RTL8191SE network card being held, demonstrating its compact and delicate form factor, which facilitates easy handling and installation in various laptop models.

3. COMPATIBILITY

This network card is designed for laptops equipped with a half-height Mini PCI-E interface. Please verify your laptop's specifications before installation.

Known Compatible Models:

- For CQ42, G42, G62, G72, 4520S, 4720S, 4325S, 4326S series notebooks.
- Compatible with devices from Dell, Toshiba, Acer, BenQ, and other manufacturers that utilize a half-height Mini PCI-E interface.

Compatible with for Dell/Toshiba/Asus/Acer/SONY/Samsung/BenQ and other devices with half-height MINI PCI-E interface.



This image displays the ASHATA RTL8191SE network card, emphasizing its broad compatibility with numerous laptop brands and models that feature a half-height Mini PCI-E slot.

4. INSTALLATION GUIDE

Before proceeding with installation, ensure your laptop is powered off and disconnected from any power source. It is recommended to consult your laptop's service manual for specific instructions on accessing the Mini PCI-E slot. Use an anti-static wrist strap to prevent damage from electrostatic discharge.

Required Tools

- Small Phillips head screwdriver.
- Anti-static wrist strap (recommended).

Installation Steps

1. **Prepare Laptop:** Power off your laptop completely and disconnect the AC adapter. Remove the battery.
2. **Access Mini PCI-E Slot:** Locate and open the access panel for the Mini PCI-E slot, typically found on the bottom of the laptop. This may require removing several screws.
3. **Remove Old Card (if applicable):** If replacing an existing wireless card, carefully disconnect any attached antenna cables (usually two, labeled Main and Aux or 1 and 2). Remove the retaining screw(s) that secure the card and gently slide out the old card from the slot.
4. **Insert New Card:** Align the ASHATA RTL8191SE network card with the Mini PCI-E slot. Gently push the card into the slot at an angle until it is fully seated.

5. **Secure Card:** Press the card down and secure it with the retaining screw(s).
6. **Connect Antennas:** Reconnect the antenna cables to the corresponding connectors on the new network card. Ensure they are securely snapped into place.
7. **Reassemble Laptop:** Close the access panel, reinsert the battery, and reconnect the AC adapter. Power on your laptop.



This image displays the ASHATA RTL8191SE Mini PCI-E network card from a top-down perspective, illustrating the two antenna connectors, the Realtek RTL8191SE chipset, and the Mini PCI-E interface pins. This view is helpful for identifying the card during installation.



This image provides a combined view of the front and back of the ASHATA RTL8191SE network card, highlighting the main components, antenna connectors, and the product label with part numbers (SPS: 593533-001) and MAC ID (1C659DD3D576).

5. DRIVER INSTALLATION

After physically installing the network card, you may need to install or update the device drivers for proper functionality and optimal performance.

1. **Automatic Detection:** Upon booting your laptop, the operating system (e.g., Windows, Linux) may automatically detect the new hardware and install generic or specific drivers.
2. **Manual Driver Installation:** If drivers are not automatically installed, or if you experience connectivity issues, it is recommended to download the latest drivers.
3. **Driver Source:** You can typically find the latest drivers on the Realtek official website or your laptop manufacturer's support page. The manufacturer suggests the following driver link: [Realtek RTL8191SE/RTL8192SE Driver](#).
4. **Installation Process:** Download the driver package and follow the on-screen instructions to complete the installation. A system restart may be required.

6. TROUBLESHOOTING

If you encounter issues after installing your ASHATA RTL8191SE network card, refer to the following common solutions:

- **No Wireless Connection:**
 - Ensure the card is properly seated in the Mini PCI-E slot.
 - Verify that antenna cables are securely connected to the card.
 - Check if the wireless adapter is enabled in your operating system's network settings and in your laptop's BIOS/UEFI.
 - Install or update the network card drivers as described in Section 5.
- **Slow Connection Speed:**
 - Ensure you have the latest drivers installed for the network card.
 - Check for potential interference from other wireless devices or obstacles.
 - Verify your wireless router's settings and signal strength.
- **Card Not Detected:**
 - Power off the laptop, remove the battery, and re-seat the network card firmly into the slot.
 - Check your laptop's BIOS/UEFI settings to ensure the Mini PCI-E slot is enabled.
 - Test the card in another compatible laptop if possible, or try a different Mini PCI-E card in your laptop to isolate whether the issue is with the card or the laptop slot.

7. SPECIFICATIONS

Detailed technical specifications for the ASHATA RTL8191SE Mini PCI-E Laptop Network Card:

Item	Detail
Model	RTL8191SE
Maximum Speed	300Mbps
Interface Type	Mini PCI-E half height
Part Numbers	SPS: 593034-001, 593533-001
Brand	ASHATA
Hardware Interface	PCI
Compatible Devices	Laptop
Data Link Protocol	Fast Ethernet
UPC	705989834560
Item Model Number	ASHATAearq0tgy6v
Item Weight	0.176 ounces

Support 300Mbps high speed wireless Wifi.



This image illustrates the ASHATA RTL8191SE network card's capability to support high-speed wireless data transfer, up to 300Mbps, for efficient network performance.

8. WARRANTY AND SUPPORT

For warranty information or further technical assistance regarding your ASHATA RTL8191SE network card, please contact ASHATA customer support. Refer to your purchase documentation for specific warranty terms and conditions.

You can also visit the ASHATA official store for additional product information and support resources: [ASHATA Official Store](#).