

Adaptec SATAConnect™ ASH-1205SA

Installation Guide



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This *Installation Guide* describes how to install the Adaptec SATAConnect ASH-1205SA card and its device drivers in Windows® desktop computers. It also describes how to connect internal Serial ATA devices to your ASH-1205SA card.

Kit Contents

Your SATAConnect ASH-1205SA kit includes:

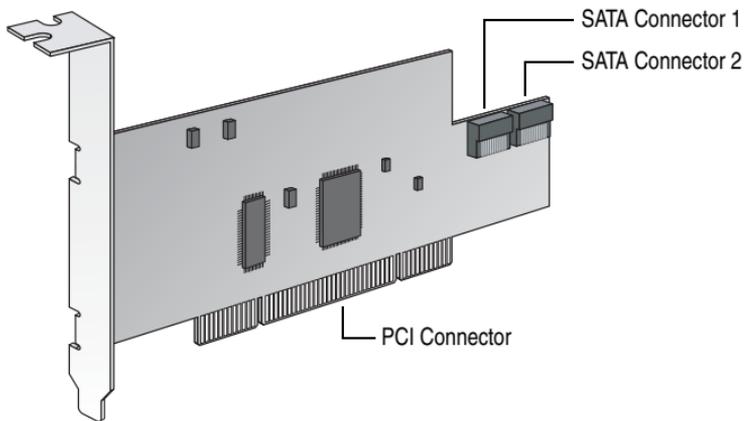
- Adaptec ASH-1205SA Serial ATA (SATA) card
- Internal SATA cable
- SATAConnect CD, including drivers, software, and documentation
- SATAConnect floppy disk, including drivers for use during Windows XP or Windows 2000 installation
- *Adaptec SATAConnect ASH-1205SA Installation Guide*

System Requirements

To use your ASH-1205SA card, you need a PC-compatible desktop computer with:

- A Pentium processor, or higher
- Windows[®] 98SE, Microsoft Windows 2000[®], Windows Me[®], or Windows XP[®]
- An available PCI 2.2-compliant slot
- An available SATA drive
- CD-ROM or DVD-ROM drive
- Floppy disk drive

This Is Your ASH-1205SA



Installation Overview

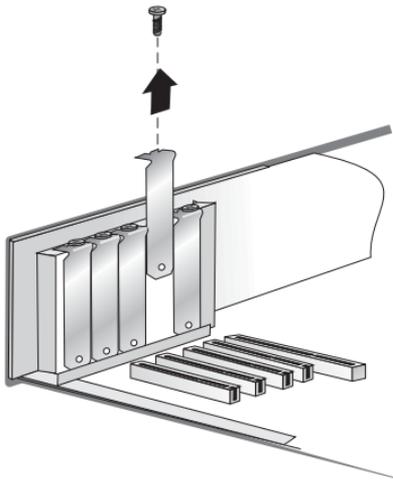
To successfully complete the installation of your ASH-1205SA, complete the following tasks:

- Install the ASH-1205SA card. See [page 4](#).
- Install and connect your internal SATA devices. See [page 6](#).
- Install the ASH-1205SA driver. See [page 7](#).

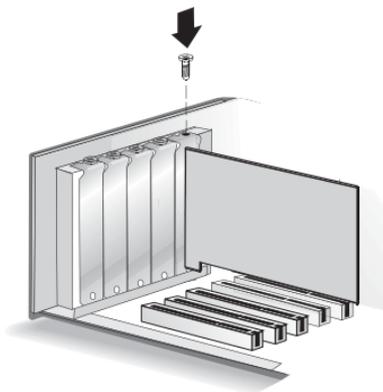
Installing the ASH-1205SA Card

To install your ASH-1205SA:

- 1 Turn off your computer, disconnect the power cord, and ground yourself by touching the metal chassis.
- 2 Remove the computer cabinet, following the manufacturer's instructions.
- 3 Find an unused, unobstructed PCI expansion slot. Unscrew the expansion slot cover screw and remove the slot cover to provide an opening. Save the slot screw for use in [Step 6](#).



- 4 Remove the ASH-1205SA card from its antistatic packaging. *Always* handle the card by its edges.
- 5 Place the card in the PCI expansion slot and press down firmly until the card is fully seated.



- 6 Secure the card bracket with the screw you removed in [Step 3](#).
- 7 Do not close the computer cabinet or reattach the power cord yet. Continue with [Installing and Connecting Devices on page 6](#).

Installing and Connecting Devices

You will need one SATA cable and one standard or SATA power cord for each SATA device you plan to connect to your ASH-1205SA. (Refer to your device's documentation to determine which type of power cord to use.)

One SATA cable is included in your SATAConnect kit.

You can connect a maximum of two SATA devices to your ASH-1205SA, one to each connector on the card.

To complete the installation:

- 1 If your computer is not already open, follow the instructions provided in [Step 1](#) and [Step 2 on page 4](#).
- 2 Mount the first device in an available bay inside your computer. Refer to the computer's documentation for instructions.
- 3 Plug one end of the SATA cable into Connector 1 on the ASH-1205SA.
- 4 Plug the other end of the SATA cable into the SATA port on your device.
- 5 Repeat [Step 2](#) to [Step 4](#) to install a second device, using Connector 2.
- 6 Connect a power cord to each device. (Refer to your device's documentation to determine which type of power cord to use.)
- 7 Close the computer cabinet, reattach the power cord, then power on your computer.

Continue with [Installing the ASH-1205SA Driver on page 7](#).

Installing the ASH-1205SA Driver

When Windows is Already Installed

To complete the driver installation when Windows is already installed on your computer, follow the instructions provided for your operating system:

- For Windows XP see [page 8](#).
- For Windows 2000, see [page 9](#).
- For Windows Me, see [page 10](#).
- For Windows 98SE, see [page 10](#).

For instructions on verifying driver installation, refer to the *User's Guide* on the CD.

When Installing Windows XP or 2000

To complete the driver installation when you are installing Windows XP or 2000, follow the instructions provided on [page 11](#).

For instructions on verifying driver installation, refer to the *User's Guide* on the CD.

Windows XP



Note: If you are installing your ASH-1205SA at the same time you are installing Windows XP, see [page 11](#) for instructions.

After you install the ASH-1205SA and your devices, and power on your computer, the Found New Hardware Wizard opens.

To complete the driver installation:

- 1 Insert the SATAConnect CD.
- 2 Select **Install the software automatically...**, then click **Next**.
- 3 Click **Continue Anyway**.



Note: Adaptec drivers have been fully tested and certified to work with the ASH-1205SA card.

- 4 When the installation is complete, click **Finish**.

Windows 2000



Note: If you are installing your ASH-1205SA at the same time you are installing Windows 2000, see [page 12](#) for instructions.

After you install the ASH-1205SA and your devices, and power on your computer, the Found New Hardware Wizard opens.

To complete the driver installation:

- 1 Insert the SATAConnect CD, then click **Next**.
- 2 Select **Search for a suitable driver...**, then click **Next**.
- 3 Select *only* **CD-ROM drives**, then click **Next**.
- 4 Click **Next** again.
- 5 Click **Yes**.



Note: Adaptec drivers have been fully tested and certified to work with the ASH-1205SA card.

- 6 When the installation is complete, click **Finish**.

Windows Me

After you install the ASH-1205SA and your devices, and power on your computer, the Found New Hardware Wizard opens.

To complete the driver installation:

- 1 Insert the SATAConnect CD.
- 2 Select **Automatic search for a better driver...**, then click **Next**.
- 3 When the installation is complete, click **Finish**.

Windows 98SE

After you install the ASH-1205SA and your devices, and power on your computer, the Found New Hardware Wizard opens.

To complete the driver installation:

- 1 Insert the SATAConnect CD, then click **Next**.
- 2 Select **Search for the best driver...**, then click **Next**.
- 3 Select *only* **CD-ROM drive**, then click **Next**.
- 4 Click **Next** again.
- 5 Click **Finish**.

Windows XP/2000 (New Windows Installation)



Note: Follow these instructions *only* if you are installing Windows XP or Windows 2000 at the same time you are installing your ASH-1205SA. If your computer already has Windows installed, see [page 7](#) to find the appropriate driver installation instructions.

After you have installed your ASH-1205SA and SATA devices, power on your computer. To complete the driver installation:

- 1 Insert your Windows CD (or Windows 2000 boot disk #1).
- 2 Press **F6** when the Setup screen displays this text:
Press F6 for third party SCSI or RAID driver installation.
- 3 Press **S** to specify an additional device.
- 4 Insert the SATAConnect floppy disk, then press **Enter**.
- 5 Select **Adaptec Serial ATA 1205SA Host Controller**, then press **Enter**.
- 6 Follow the on-screen instructions to select your partition and file system.
Files are copied to your SATA hard drive, then your system restarts.
- 7 Follow the on-screen instructions to complete the installation.

Getting Help

If you have any problems installing or using your ASH-1205SA, check these items first:

- Did the ASH-1205SA drivers install correctly? Refer to the *User's Guide* on the CD to learn how to verify driver installation.
Try disconnecting your SATA devices from your ASH-1205SA card before checking that the card and its drivers are working properly.
- Is the ASH-1205SA card firmly seated and secured in the PCI expansion slot? Turn off the power to your computer before checking the card.
- Are the SATA cables connecting your SATA devices to the ASH-1205SA plugged in completely and securely?
- Are your SATA devices properly connected to power cables?
- Is the ASH-1205SA detected during boot? If not, try moving the card to another free PCI slot. Follow the instructions in *Installing the ASH-1205SA Card* on page 4.

If you are still unable to resolve a problem, you can find additional troubleshooting information and direction on the Adaptec Web site at www.adaptec.com and the Adaptec Support Knowledgebase at ask.adaptec.com.



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