



Serial ATA PCI Card



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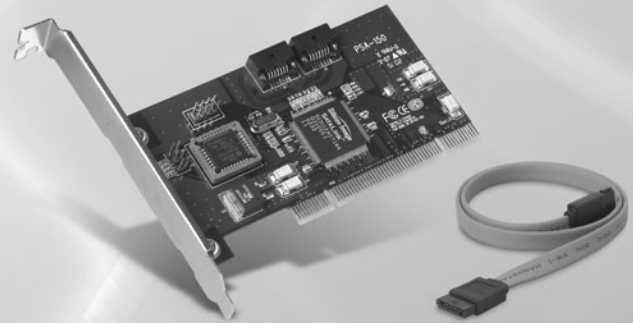
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User Manual

F5U198

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INTRODUCTION

Congratulations and thank you for purchasing the Serial ATA PCI Card. Engineered to support data transfer rates up to 150MBps, the Card complies with serial ATA specification revision 1.0 and PCI specification revision 2.2.

Please read this manual thoroughly to ensure you get the most from this high-quality Belkin Serial ATA PCI Card.

PACKAGE CONTENTS

- Serial ATA PCI Card
- One serial ATA data cable
- One serial ATA power cable
- One driver installation CD
- User Manual

FEATURES

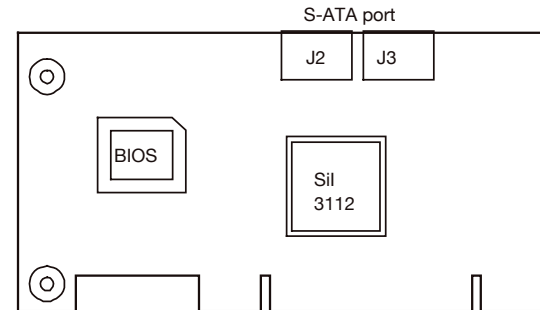
- Complies with serial ATA specification revision 1.0
- Provides 2 independent channels to connect up to 2 serial ATA hard disk drives
- Supports serial ATA data transfer rates up to 150MBps
- Features independent 256-byte FIFOs per channel for host reads and writes
- Breaks the 137GB barrier and supports various brands of large-capacity serial ATA hard disk drives
- Includes flexible serial ATA cable that routes easily inside a PC
- Features lower pin count and voltage requirement, plus better cabling over traditional parallel ATA

SYSTEM REQUIREMENTS

- PC compatible with IBM® with 600MHz or faster processor
- Microsoft® Windows® 98 SE, Me, 2000, or XP
- Available PCI slot
- Floppy drive
- CD-ROM drive

TECHNICAL SPECIFICATIONS

- Silicon Image SiI 3112 SATALink™ PCI Host Controller
- Compliant with serial ATA specification revision 1.0
- Compliant with PCI specification revision 2.2
- Compliant with PCI Bus Power Management Specification Rev. 1.1
- Port type: 2 serial ATA ports
- Slot type: 32-bit PCI
- Provides 2 independent channels to connect up to 2 serial ATA hard disk drives
- Supports serial ATA data transfer rates up to 150MBps
- Features independent 256-byte FIFOs per channel for host reads and writes
- Supports 32-bit wide PCI bus at 66MHz



DRIVER INSTALLATION

Installing the Driver in Windows

Note: *If you are currently using, or plan to set up a RAID array, you will need to install the SATA RAID Utility program to manage and view status of the Array. You will find the SATA RAID Utility program on the supplied CD.*

Windows 98/Me:

1. Insert the Belkin F5U198 driver installation CD into your CD-ROM drive. After a few moments, the installation start-up screen will appear.
2. Select the "Install Driver" button to begin the driver installation process. When the installer prompts you to restart your system, select "Quit" instead.
3. Open the Start menu in the lower, left-hand corner of your Windows desktop. Select "Shutdown", then select "Shutdown" from the drop-down menu.
4. Proceed to the hardware installation section.

Windows 2000/XP:

1. Insert the Belkin F5U198 driver installation CD into your CD-ROM drive. After a few moments, the installation start-up screen will appear.
2. Select the "Install Driver" button to begin the driver installation process. Then click "Finish" to complete the installation.
3. Open the Start menu in the lower, left-hand corner of your Windows desktop. Select "Shutdown", then select "Shutdown" once again from the drop-down menu.
4. Proceed to the hardware installation section.

HARDWARE INSTALLATION

1. Make sure that your computer is turned off, and unplug the power cord.
2. Install a serial ATA hard drive into your computer following the instructions provided by the drive manufacturer.
3. Install the PCI Card into an empty PCI slot.
4. Using the provided serial ATA data cable, connect your serial ATA hard disk to one of the ports on the PCI Card.
5. Use the provided serial ATA power cable adapter to connect the SATA hard disk to your computer's internal power supply.

START-UP INFORMATION

Turn on your computer. Shortly after the POST (Power On Self Test) is completed, the following screen will be displayed:

Silicon Image 3112 SATAraid Yes Controller BIOS Version xxx
Copyright © 1997-2002 Silicon Image, Inc

Press <Ctrl+S> or F4 to enter RAID Utility	1
Primary Channel: ST380023AS	76819 MB 2
Secondary Channel:	3

1. If you wish to set up a RAID Array, press “Ctrl+S”, or press the F4 key.
2. Properly connected serial ATA hard drives will be displayed (in this case an 80-Gigabyte Seagate ST380023AS on the Primary Channel).
3. After your serial ATA hard drive(s) are detected, the boot procedure will continue.

PREPARING YOUR HARD DRIVE(S) FOR USE

If you are installing new unformatted hard drives, the drives will need to be partitioned and formatted before use. The F5U198 installation CD includes a detailed manual in PDF form that walks you through each of the steps required to prepare your hard disk for use. The manual also explains in detail how to set up and manage a RAID array. To access the manual, choose the “SATAraid Utility Manual” button on the F5U198 installation CD start-up menu.

INSTALLING DRIVER IN A “FRESH” INSTALLATION OF WINDOWS

Note: This procedure is intended to be used when the PCI Card is already installed in your computer, and you are doing a fresh install of your operating system.

Windows 98/Me:

1. Follow the normal Windows 98 SE/Me setup instructions to select your choice for partition and file system.
2. After Windows has finished installing devices, regional settings, components, and completed the final setup tasks, reboot your system.
3. After Windows restarts, insert the F5U198 installation diskette into your floppy disk drive.
4. Right-click the “My Computer” icon, then select “Properties”. After the “System Properties” window opens, select “Device Manager”.
5. Right-click on “PCI RAID Controller” then select “Properties” from the pop-up menu.
6. Click “Driver”, then select “Update Driver” and click “Next”.

If you are running Windows Me, select “Automatic Search for a better driver. (Recommended).”

If you are running Windows 98 SE, click “Next” then select “Search for the better driver than the one your device is currently using now. (Recommended)” and click “Next”.

7. Check the box next to “Floppy Disk Drives”, then click “Next”.
8. Windows will locate the driver for “Silicon Image SiI 3112 SATA RAID controller”. Click “Next” then click “Finish” to complete the installation process.

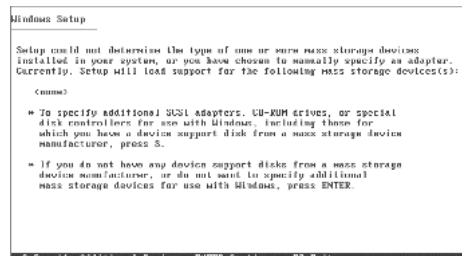
INSTALLING DRIVER IN A “FRESH” INSTALLATION OF WINDOWS

9. To verify that the driver is correctly installed, click the [+] sign next to “SCSI Controllers”. You should now see an entry for “Silicon Image SiI 3112 SATA RAID controller”.

Installation is now complete.

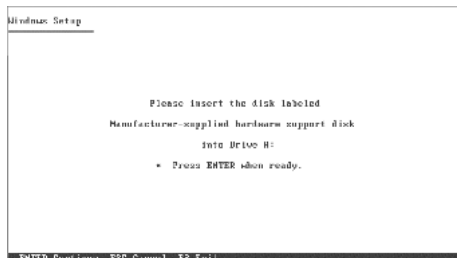
Windows 2000/XP:

1. Run the Windows setup program.
2. Press “F6” when the following message appears on the screen:
Press F6 if you need to install a third-party SCSI or RAID driver.
3. After a few moments the following information will be displayed:

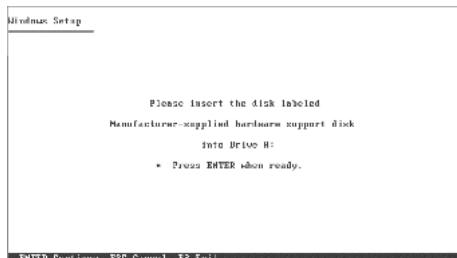


INSTALLING DRIVER IN A "FRESH" INSTALLATION OF WINDOWS

4. To specify additional devices such as the PCI Card, press "S". The following message will appear.



5. Insert the F5U198 driver diskette into your floppy drive and press "Enter".



6. Press "Enter" to select the "Silicon Image SiI 3112 SATA RAID Controller".

INSTALLING DRIVER IN A "FRESH" INSTALLATION OF WINDOWS

7. After the driver has been installed, press "Enter" and continue the Windows installation procedure as normal.
8. During the operating system installation, Windows may ask you for the drivers for the SATA card again during the "Driver Installation" part of the install. Please be prepared with the floppy disk that was supplied with the card.

SETTING HARD DISK BOOT PRIORITY

If you have an IDE and serial ATA hard drive installed in your system at the same time, it is necessary to select one of the drives as the default boot drive. To set the boot drive priority, you must access your computer's BIOS Setup Utility. Select "SCSI" to boot from SATA hard disk, or select "HDD" to boot from IDE hard disk.

INFORMATION

FCC Statement

DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY

We, Belkin Corporation, of 501 West Walnut Street, Compton, CA 90220, declare under our sole responsibility that the product:

F5U198

to which this declaration relates:

Complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE Declaration of Conformity

We, Belkin Corporation, declare under our sole responsibility that the F5U198, to which this declaration relates, is in conformity with Generic Emissions Standard EN50081-1 and with Generic Immunity Standard EN50082-1 1992.

Belkin Corporation Limited Lifetime Product Warranty

Belkin Corporation warrants this product against defects in materials and workmanship for its lifetime. If a defect is discovered, Belkin will, at its option, repair or replace the product at no charge provided it is returned during the warranty period, with transportation charges prepaid, to the authorized Belkin dealer from whom you purchased the product. Proof of purchase may be required.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication; if the product has been modified without the written permission of Belkin; or if any Belkin serial number has been removed or defaced.

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