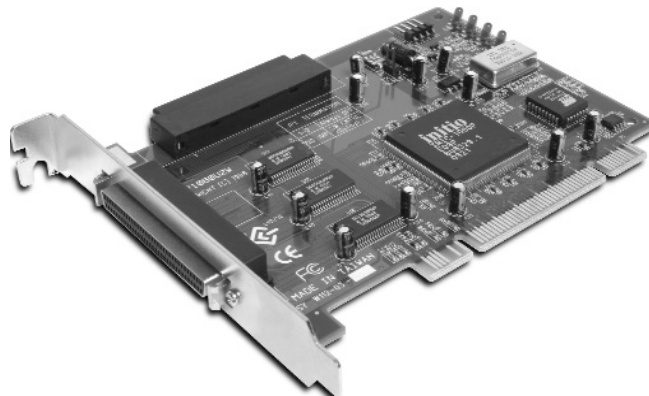


# SCSI PCI Card

80 MBytes/sec Ultra2 SCSI PCI Controller Card

PCISCSIU2W

Instruction Manual



Actual product may vary from photo

**StarTech.com**

The Professionals' Source for Hard-to-Find Computer Parts

## **FCC Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols**

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to StarTech.com. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by StarTech.com, or an endorsement of the product(s) to which this manual applies by the third-party company in question. Regardless of any direct acknowledgement elsewhere in the body of this document, StarTech.com hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

## Table of Contents

<b>Introduction</b> .....	<b>1</b>
<b>Before You Begin</b> .....	<b>1</b>
System Requirements .....	1
Contents .....	1
<b>Installation</b> .....	<b>2</b>
Installing the Card .....	2
Connecting and Terminating Your SCSI Devices .....	3
Installing the Drivers .....	3
Verifying Your Installation .....	4
<b>Specifications</b> .....	<b>4</b>
<b>Accessory Products from StarTech.com</b> .....	<b>5</b>
<b>Technical Support</b> .....	<b>7</b>
<b>Warranty Information</b> .....	<b>7</b>

## Introduction

Thank you for purchasing a StarTech.com Ultra2 SCSI host adapter card. This reliable synchronous PCI card can control up to 15 SCSI devices like CD-ROMs, CD-RWs, scanners and removable media devices. The dedicated on-board processor provides high-speed single-ended SCSI bus transfers at up to 80 MBytes/sec. The card also comes with a high quality 68-pin ribbon cable so that you can start attaching your internal SCSI peripherals right away.

## Features

- Supports up to 15 SCSI devices
- Transfers data at 80 MBytes/sec
- Includes on-board automatic SCSI termination and synchronous/asynchronous data transfer
- Backed by StarTech.com's lifetime warranty and technical support

## Before You Begin

**WARNING!** PCI cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI card by its edges and not the gold connectors.

## System Requirements

- An IBM-compatible computer running Windows XP/2000/ME/98/98SE/95/3.x, NT 4.0, DOS, NetWare, or OS/2
- An available PCI slot

## Contents

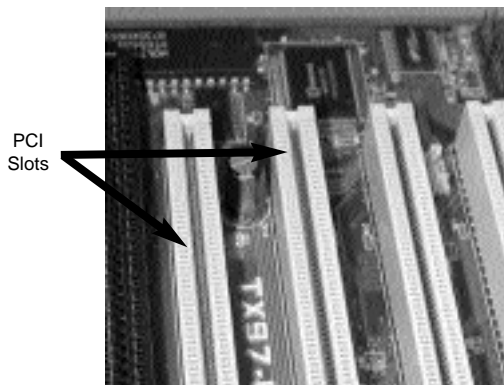
This package should contain:

- 1 x PCI SCSI card
- 1 x 68-pin internal SCSI cable
- 1 x Installation disk
- 1 x SCSI LVD/SE device terminator
- 1 x Instruction Manual

## Installation

This section will guide you through the installation of your PCI card and the related software. Please read through the instructions carefully and complete each step in the order listed.

### Installing the Card



1. Make sure that your system is unplugged and you are grounded.
2. Remove the cover of your system (see your computer's user manual for details, if necessary) and gently turn your computer onto its side.
3. Locate an empty PCI slot (usually white in colour) and remove the metal plate that covers the rear bracket. You may need a Phillips screwdriver to perform this step. **Retain the screw!** You will need it to secure the card later.
4. Gently insert the card into the empty slot, making sure it is firmly seated.
5. Secure the card in place using the screw you removed in Step 3.
6. Physically install your SCSI devices into your case, following the instructions in their documentation. If you need more information about connecting and terminating your devices on the SCSI card, please see the next subsection, "Connecting and Terminating Your SCSI Devices" below before closing the case. Otherwise, connect the data cables to both the card and your device(s) as needed, and complete step 7.
7. Put your computer case back on.

**NOTE:** You may also wish to use the card's integrated SCSI BIOS utility to view and configure SCSI devices attached to the card. You can access this utility by following the on-screen instructions at boot-up.

### Connecting and Terminating Your SCSI Devices

1. Connect one end of your internal SCSI ribbon cable to your SCSI card, making sure that the stripe faces pin 1 (marked). The connector that is furthest away from the other connectors should be connected to the card.

**NOTE:** The cable connectors have been formed so that it is difficult to connect the devices in an improper fashion.

2. Connect the SCSI cable to your SCSI device, again making sure that the stripe faces pin 1.
3. Repeat step 2 for any other SCSI devices you wish to attach at this time.
4. When you have connected all your devices, you must make sure that **both** the internal and external chains of the SCSI bus are **terminated**. Most SCSI peripherals will come with their own terminators. Follow the instructions in the peripheral's user guide to terminate the SCSI chain. For your convenience, this product includes a LVD SCSI terminator.

**NOTE:** StarTech.com offers a wide range of internal and external SCSI cables and terminators to suit your needs. Refer to the "Accessory Products from StarTech.com" section of this manual or visit [www.startech.com](http://www.startech.com) for more information.

### Installing the Drivers

#### Windows 98/98SE/ME/2000/XP

1. On startup, Windows will detect that new hardware has been installed and launch the **Add New Hardware Wizard**. Click **Next** and choose the **Search for the best driver for your device (Recommended)** (or **Search for a suitable driver...** if using Windows 2000/XP) option. Click **Next**.
2. Uncheck all boxes on this screen and click **Next**.
3. The Wizard will inform you that "Windows is now ready to install the best driver for this device..." Click **Next**. The Wizard will complete the installation. Click **Finish**.
4. Restart the computer if prompted.

#### Other Operating Systems

Drivers are included on the installation disk for several other operating systems, including Windows 95 and NT 4.0. For more information about installing and configuring the card under those operating systems, please refer to the text files contained in the folder on the disk that matches your operating system.

## Verifying Your Installation

### Windows 98SE/ME

1. Go to **Start > Settings > Control Panel**.
2. Double click **System**.
3. Click the **Hardware** tab.
4. If the card does not appear with a red **x** or yellow exclamation point (!) next to it, Windows has not detected a problem with the installation and the card should function normally.

### Windows 2000/XP

1. Go to **Start > Settings > Control Panel**.
2. Double click **System**.
3. Click the **Hardware** tab and choose **Device Manager**.
4. If the card does not appear with a red **x** or yellow exclamation point (!) next to it, Windows has not detected a problem with the installation and the card should function normally.

## Specifications

Form Factor/Interface	PCI, full-length card
Standards Supported	Ultra2, Ultra Wide SCSI, Ultra SCSI, Fast SCSI (SCSI-2), SCSI-1
Maximum Data Transfer Rate	80 MBytes/sec. (with Ultra2 SCSI devices) Supports auto-negotiation of transfer rate
Connectors	1 x 68-pin half-pitch female (external) 1 x 68-pin half-pitch female (internal)
Included Cables	1 x 68-pin ribbon cable (4 female device connections), terminator
Number of Devices Supported	15 (maximum)
OS Drivers Included	Windows 3.1x/95/98/98SE/ME/NT4/2000/XP or later (all versions subsequent to Windows 95 include native drivers), DOS, Netware, Linux/UNIX, OS/2)
Regulatory and Other Certifications	FCC Class B, CE, UL

## Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit [www.startech.com](http://www.startech.com) for cables or other accessories that will help you get the best performance out of your new product.

2 Drive U320 Terminated Internal SCSI Cable  
**SCSI320INT**

4 Drive U320 Terminated Internal SCSI Cable  
**SCSI320INT5**

6 Drive U320 Terminated Internal SCSI Cable  
**SCSI320INT7**

8 Drive U320 Terminated Internal SCSI Cable  
**SCSI320INT9**

26-inch 2-Drive Internal SCSI3 Cable  
**SCSI3INT**

37-inch 4-Drive Internal SCSI3 Cable  
**SCSI3INT5**

4-drive 68-pin Twisted Pair U160 SCSI Internal Cable with Terminator  
**SCSI3INT5TWS**

56-inch 6-Drive Internal SCSI3 Cable  
**SCSI3INT7**

6-drive 68-pin Twisted Pair U160 SCSI Internal Cable with Terminator  
**SCSI3INT7TWS**

8-drive 68-pin Twisted Pair U160 SCSI Internal Cable with Terminator  
**SCSI3INT9TWS**

2-drive 68-pin Twisted Pair U160 SCSI Internal Cable with Terminator  
**SCSI3INTTWS**

6 ft. External Fast SCSI Cable DB25M to HPDB68M  
**SCSI25HP68\_6**

6 ft. External SCSI3 to SCSI Cable HPDB68M to Cent50M  
**SCSI2W1EXT**

3 ft. SCSI3 to SCSI Cable HPDB68M to Cent50M  
**SCSI2W1EXT\_3**

6 ft. External SCSI3 to SCSI2 Cable HPDB68M to HPDB50M  
**SCSI2W2EXT**

3 ft. SCSI3 to SCSI2 Cable HPDB68M to HPDB50M  
**SCSI2W2EXT\_3**

10 ft. SCSI Cable HPDB68 M/M  
**SCSI33PEX\_10**

3 ft. External SCSI3 Cable HPDB68 M/M  
**SCSI33PEX4**

6 ft. SCSI3 Cable HPDB68M to HPDB68M  
**SCSI33PEX6**

## Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## Warranty Information

This product is backed by a lifetime warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

### Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Revised: 1 October 2004 (Rev. B)