

“For ultimate hard drive speed, ignore the built-in EIDE and spring for an Ultra Wide SCSI III (Adaptec AHA®-2940UW) host adapter.”

— *BOOT Magazine*
August 1996

**“Adaptec AHA-2940UW
★ ★ ★ ★ ★”**

— *PC PRO Magazine*
June 1996

“If you need more speed, more hard disk space, or plan to connect several devices, SCSI is the way to go.”

— *PC Magazine*
July 1996

AHA®-2940 ULTRA TECHNICAL SPECIFICATIONS

Adaptec Host Adapter:	AHA-2940AU
Computer Bus:	PCI Local Bus
Interface Protocol:	Bus master DMA
Host Bus Burst Data Rate:	Up to 133 Mbytes/sec
Peripheral Bus:	8-bit Ultra SCSI
SCSI Synchronous Data Rate:	20 Mbytes/sec
SCSI Asynchronous Data Rate:	6 Mbytes/sec
Device Protocol:	SCSI-1, SCSI-2, SCSI-3, Ultra SCSI
Advanced SCSI Features:	Advanced SCSI Programming Interface (ASPI) compliant Scatter/gather Disconnect/reconnect Tagged command queuing Synchronous and asynchronous data transfer Bootable from attached disks
External Connector:	50-pin high-density
Electrical Drivers:	Single-ended, active, programmable via SCSISelect
Hard Disk Capacity:	Extended translation supports drive capacity up to 8 gigabytes per disk
Device Support:	Up to 7 devices under DOS 5.0 and above
Electrical Termination:	Single-ended, active, software-controlled
Operating Environment:	Windows 95, Windows 3.1, Windows NT, Windows for Workgroups, DOS, IBM OS/2, NetWare, SCO UNIX, UnixWare

AHA®-2940 ULTRA WIDE TECHNICAL SPECIFICATIONS

Adaptec Host Adapter:	AHA-2940UW
Computer Bus:	PCI expansion bus
Interface Protocol:	Bus Mastering with DMA
Device Protocol:	SCSI-1, SCSI-2, SCSI-3
SCSI Bus Width:	8- and 16-bit (Fast, Wide, and Ultra)
PCI Bus Data Transfer Rate:	Up to 133 Mbytes/sec
Synchronous Data Transfer Rate:	Up to 40 Mbytes/sec
Number of Attached Devices Supported:	Up to 15 single-ended SCSI peripheral devices
Electrical Termination:	Single-ended, active, software-controlled
Advanced Features:	Support for scatter/gather, disconnect/reconnect, tagged command queuing Independent negotiation of high speed data transfers (Fast, Wide, and Ultra) with each peripheral device SCSI Manager 4.3 compliant Bootable from attached disks



Adaptec, Inc.
691 South Milpitas Boulevard
Milpitas, California 95035
Tel: (408) 945-8600
Fax: (408) 262-2533

Literature: 1-800-934-2766 (USA and Canada)
or (510) 732-3829



©1996 Adaptec, Inc. All rights reserved. Adaptec, the Adaptec logo, AHA, and SCSISelect are trademarks of Adaptec, Inc. Windows, Windows 95, Windows NT, and the Windows NT logo are registered trademarks of Microsoft Corporation used under license. All other trademarks used are owned by their respective owners.

P/N 980286-011 9/96 Printed in U.S.A.

**THE BEST
CONNECTION
FOR
WINDOWS
NT
WORKSTATIONS**

SCSI, The Right Choice For Windows NT Workstations

SCSI has always been the interface of choice for Windows NT™ servers. Now, as Windows NT moves to the desktop, SCSI is your best choice to keep data moving as fast as possible, to provide the flexibility of removable disk drives, to connect to the fastest and largest capacity hard drives, and to deliver the performance power users want from Windows NT on the desktop.

Top Performance, True Multitasking

SCSI delivers the fastest throughput and the best performance. For the kind of users who want Windows NT on their desktops, EIDE can't begin to satisfy their need for speed. Check out the chart below. You'll see there's just no comparison.

What's more, SCSI hard drives are designed to optimize data transfer in multitasking environments. They incorporate advanced features such as the highest capacity, largest cache, fastest spin rate, fastest seek time, tagged queuing, and disconnect/reconnect. In fact, without SCSI, true multitasking is not possible. But *with* SCSI, just think of the possibilities for Windows NT on the desktop.

DRIVE INTERFACE	MAXIMUM DATA TRANSFER RATE
EIDE MODE 4 (FASTEST EIDE AVAILABLE)	16.7 MB/SEC
ADAPTEC AHA-2940AU PCI ULTRA SCSI	20 MB/SEC
ADAPTEC AHA-2940UW PCI ULTRA WIDE SCSI	40 MB/SEC

A powerhouse operating system such as Windows NT needs the interface that can deliver the most powerful performance: SCSI.

Proven, Hassle-Free Installation

Anyone who has ever installed an Adaptec SCSI host adapter finds themselves wishing everything in life was so easy. This is what one customer had to say about the speed, simplicity, and reliability of an Adaptec installation:

"The project was finished so fast, no one believed all the data had transferred. Upon verification, every fragment of data was there. Having installed hundreds (of Adaptec SCSI host adapters), this was no surprise to me. Adaptec has proven reliable in our office, time after time. When it comes to SCSI controllers, we only use the best. We only use Adaptec."

—Alen Harris, Micro Focus PC Technician

Connect With Adaptec For Satisfaction

SCSI not only delivers the robust performance and true multitasking users want from Windows NT on the desktop, it also enables them to connect to the power peripherals they need. CD recordables, high-performance removables, or any external hard drive can only be added with SCSI.

So for everything a user wants and needs from Windows NT on the desktop, only Adaptec SCSI delivers complete customer satisfaction.



ADAPTEC

AHA®-2940 Ultra

High-Performance UltraSCSI For Windows NT Workstations and Desktops

OVERVIEW

The AHA-2940 Ultra host adapter delivers UltraSCSI speed for demanding applications and high-performance peripherals. Its advanced features improve system performance, especially in multitasking environments. The AHA-2940 Ultra adapter also offers unsurpassed compatibility.

KEY BENEFITS

Double The Data Transfer Speed. The AHA-2940 Ultra host adapter doubles the Fast SCSI data transfer rate to 20 Mbytes/second, accelerating system performance and user productivity.

Time-Saving Multitasking. The AHA-2940 Ultra host adapter makes true multitasking possible, enabling the system CPU to access data on multiple peripheral devices simultaneously to improve productivity.

Unparalleled Compatibility. All Adaptec host adapters are rigorously tested with hundreds of different SCSI peripherals and systems, which makes them the most compatible and reliable host adapters in the marketplace.

Quick And Easy Installation. Simply insert the AHA-2940 Ultra host adapter in the PCI slot and the system BIOS will assign resources to it.



ADAPTEC

AHA®-2940 Ultra Wide*

High-Performance Ultra Wide SCSI For Windows NT Workstations and Entry-Level Servers

OVERVIEW

When maximum performance matters, the Adaptec AHA-2940 Ultra Wide host adapter delivers, with twice the connection capacity and four times the data bandwidth. Plus, it offers true multitasking and unequaled reliability and compatibility.

KEY BENEFITS

Maximum Transfer Speed. The AHA-2940 Ultra Wide host adapter bursts data on the SCSI bus at up to 40 Mbytes/second for the latest SCSI drives and all other SCSI devices.

Time-Saving Multitasking. The AHA-2940 Ultra Wide host adapter makes true multitasking possible, enabling the system CPU to access data on multiple peripheral devices simultaneously to improve productivity.

Maximum Connectivity. With the AHA-2940 Ultra Wide host adapter you can simultaneously support as many as 15 SCSI devices, both 8-bit and 16-bit, in any combination, for maximum configuration flexibility.

Quick And Easy Installation. Simply insert the AHA-2940 Ultra Wide host adapter in the PCI slot and the system BIOS will assign resources to it.

*Also known as PCI Ultra Wide SCSI Master.

