



Western Digital

FireWire® Hard Drives

Here's a fast, easy way to add additional storage to a Macintosh® or PC. These external FireWire hard drives plug into any FireWire-enabled computer and within seconds are up and running. The FireWire interface (also known as IEEE 1394 and i.LINK) has 30 times more bandwidth than USB, making it the perfect technology for high-speed devices like the latest hard drives, Digital Video (DV) camcorders, CD-RW drives, printers, and scanners.

FIREWIRE HARD DRIVE PRODUCT BENEFITS

- Perfect for digital video and audio applications.
- The fast, easy way to add a hard drive to your PC or Macintosh.
- Add multiple drives to gain virtually unlimited storage.
- Effortless connection, truly plug-and-play.
- Hot swap capability allows easy connection of a new peripheral without turning off the computer.
- Automatic configuration, no device IDs or terminators to worry about.
- Cables are simple and easy to connect and can be up to 15 feet long.
- 1 year warranty.
- Guaranteed compatibility.

FIREWIRE HARD DRIVE APPLICATIONS

- Set up a professional digital video editing studio on your computer.
- Record and play digital audio files (MP3 and WAV) and manage your music library.
- Add virtually unlimited storage with multiple FireWire external hard drives.
- Offers plenty of storage space for your Internet downloads, music files, video files, data files, and photos.
- Perfect for system backup.

PACKAGE CONTENTS

- FireWire external hard drive
- 6 foot (1.8m) 6-pin to 6-pin FireWire cable
- AC adapter with power cord
- CD-ROM with drive setup software for Windows and Macintosh
- Quick Install guide
- Digital video editing and digital stereo software for PC and Mac

IMPORTANT: An OHCI-compliant FireWire connection on the computer is required. If your computer is not FireWire-enabled, you may be able to add a FireWire adapter card. Look for Western Digital's FireWire PCI Adapters and other products at your favorite computer store or Western Digital's online store at www.westerndigital.com/store.

INTERFACE

FireWire
IEEE 1394, i.LINK™
compatible

CAPACITY

30 and 45 GB

HARDWARE REQUIREMENTS

FireWire-enabled,
OHCI compliant
computer and
CD-ROM drive

PART NUMBERS

WD300A001-RNx
WD450A001-RNx

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FireWire Hard Drives

FireWire Hard Drives



Interface Specifications

- IEEE 1394 compliant
- SBP-2 compliant
- Supports serial bus data transfer rates of 100, 200 and 400 Mb/sec
- Two external 6-pin FireWire connectors
- Hot-plug capability

System Requirements

PC Users

- Built-in FireWire port or a FireWire PCI adapter (OHCI compliant)
- Minimum 32 MB RAM
- Minimum 200 MHz processor
- Windows 98 SE (second edition) or higher
- CD-ROM drive

Macintosh Users

- A FireWire-enabled Macintosh computer
- Minimum 32 MB RAM
- Mac OS 8.6 or higher
- CD-ROM drive

Drive Specifications

	30 GB	45 GB
Formatted Capacity ¹	30,000 MB	45,000 MB
Actuator Type	Voice Coil	Voice Coil
Servo Type	Embedded	Embedded
Dedicated Landing Zone	Yes	Yes
Actuator Latch/Auto Park	Yes	Yes
Model Number	WD300A001-RNx	WD450A001-RNx

Performance Specifications

Average Read Seek	9.5 ms (typical)
Track-to-track Seek	2.0 ms (typical)
Average Latency	5.5 ms
Rotational Speed	5400 RPM
Buffer	2 MB
Drive Ready Time	6 sec average

Physical Dimensions

Height	1.30 in. (33.19 mm) ± .10
Length	7.02 in. (178.50 mm) ± .10
Width	5.94 in. (151.00 mm) ± .10

Power Requirements

AC Input Voltage	100-240 VAC
AC Input Frequency	50-60 Hz
AC Input Current	0.6A max (RMS)

Environmental Specifications

Operating Temperature	0°C to 40°C
Non-Operating Temperature	-20°C to 65°C
Acoustics (typical)	
Idle Mode ²	33 dBA average

Warranty

1 year (extended warranty available)³



Windows[®] 98/2000
Compatible

For service and literature:

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¹ Western Digital defines a megabyte (MB) as 1,000,000 bytes, and a gigabyte (GB) as 1,000,000,000 bytes.

² Sound power level

³ Opening the FireWire hard drive case will void the warranty.