World's #1 Choice For SCSI Cards

Adaptec® Ultra160 SCSI Card Family

160 MBytes/sec Performance with the Best Connectivity Options from the SCSI Leader.

Ultra160 SCSI Family

Highlights

- **160 MBytes/sec performance**
- **32- and 64-bit PCI solutions**
- **SpeedFlex™ technology* ensures top performance of all connected devices, regardless of SCSI generation**
- **Seamless backwards compatibility protects legacy devices**
- **Industry-leading compatibility, reliability**

Adaptec's Ultra160 SCSI products are the storage I/O solutions ideally matched to the ever-increasing demands of bandwidth-hungry applications. Four different Ultra160 SCSI cards provide a range of solutions, fine-tuned for specific uses from desktops to entry-level servers and enterprise-level servers.



Adaptec's Ultra160 family features Ultra160 SCSI (LVD) technology, delivering twice the speed of Ultra2 SCSI and four times that of Ultra Wide SCSI. To ensure data integrity and reability with high performance, Ultra160 SCSI includes two new additional features: CRC (Cyclic Redundancy Checking) and Domain Validation. CRC checks all transferred data, adding significantly to data integrity. Domain Validation intelligently verifies system configuration for improved reliability. And Adaptec's Ultra160 SCSI products enable up to 12 meter cable-lengths for optional configuration flexibility.

Adaptec's exclusive SpeedFlex™ technology* guarantees the preservation of legacy investments while eliminating the risks of migration. Each card delivers unrivaled performance, keeping pace with the future's need for more speed, while providing full backwards compatibility to preserve existing technology investments.

Like all Adaptec cards, the Ultra160 SCSI family has been rigorously tested with hundreds of SCSI systems and devices to assure compatibility and reliability. Each card carries a 5-year warranty.

Adaptec SCSI Card 19160

Affordable Ultra160 performance and connectivity to legacy devices and internal hard disk drives

The Adaptec 19160 is the top performance/value choice for Windows®, desktop users. It delivers Ultra160 SCSI technology at an affordable price.This card offers the best connectivity for internal hard drives and both internal and external desktop peripherals.

Adaptec SCSI Card 29160N

Best Ultra160 SCSI performance and connectivity to internal hard disk drives end external legacy devices

The Adaptec 29160N is tailored to the needs of small multi-user work group servers and powerful workstation users. This 32-bit PCI card gets the most out of high-performance Ultra160 SCSI internal hard drives and the widest selection of popular external SCSI devices.

Adaptec SCSI Card 29160

Maximum Ultra160 SCSI performance for internal and external hard disk drive configurations

The Adaptec 29160 is tailored for the mid-range server environment. It delivers the maximum throughput for a single channel Ultra160 SCSI card by using a 64-bit PCI interface. The Adaptec 29160 allows for connecting Ultra160 SCSI (LVD) or legacy hard disk drives, internally and externally.

Adaptec SCSI Card 39160

Ultimate dual-channel Ultra160 SCSI performance and scalability for internal and external hard disk drive configurations

The Adaptec 39160 delivers all-out performance for high-end servers. Combining a 64-bit PCI interface with two Ultra160 SCSI channels, this card moves data at the fastest speeds possible. The Adaptec 39160 supports up to 30 devices, making it ideal for connecting external drive arrays and mirroring and striping SCSI hard disk drives, to deliver the ultimate performance in the most demanding environments.

**Included on all Ultra160 SCSI cards, except the Adaptec SCSI Card 39160, where it is not necessary.*

Adaptec® Ultra160 SCSI Card Family

	SCSI Card 19160	SCSI Card 29160N	SCSI Card 29160	SCSI Card 39160
Why to Buy	Affordable Ultra160 SCSI performance and connectivity to legacy devices and internal hard disk drives	Best Ultra160 SCSI performance and connectivity to internal hard disk drives and external legacy devices	Maximum Ultra160 SCSI performance for internal and external hard disk drive configurations	Ultimate dual Ultra 160 SCSI channel performance and scalability for internal and external hard disk drive configurations
Customer Needs	High performance and easy connectivity	High performance, O/S flexibility, and easy connectivity	Total performance solution on a single channel card	The fastest performance in entreprise servers
System Environment	Professional desktops	Entry level servers and workstations	Mid-range servers	High-end servers
Ideal For	Connecting Ultra160 SCSI hard disk drives, internally, and popular non-HDD SCSI devices such as CD-R, jaz, and scanners, externally	Connecting Ultra160 SCSI hard disk drives, internally, and popular non-HDD SCSI devices such as tape drives, scanners, and removable drives, externally	Connecting Ultra160 SCSI hard disk drives and other SCSI hard disk drives, internally and externally	Connecting SCSI hard disk drives, internally and externally, creating two drive arrays on independent SCSI channels
Bus System Interface Type	32-bit PCI	32-bit PCI	64-bit PCI, 32-bit compatible	64-bit PCI, 32-bit compatible
System Bus Rate	266 MB/sec	266 MB/sec	532 MB/sec	532 MB/sec
Data Transfer Method	Bus Mastering	Bus Mastering	Bus Mastering	Bus Mastering
SCSI Data Transfer Rate	160 MB/sec	160 MB/sec	160 MB/sec	160 MB/sec, on each channel
Internal Connectors	One 68-pin for LVD SCSI One 50-pin for Ultra SCSI*	One 68-pin for LVD SCSI One 50-pin for Ultra SCSI*	One 68-pin for LVD SCSI One 68-pin for Ultra Wide SCSI One 50-pin for Ultra SCSI*	Two 68-pin for LVD SCSI One 50-pin for Ultra SCSI*
External Connectors	One 50-pin for Ultra SCSI*	One 50-pin for Ultra SCSI*	One 68-pin for LVD SCSI devices	Two VHDCI (Very High-Density Connector Interface) 68-pin for LVD SCSI devices
Maximum Number of Devices	15 devices	15 devices	15 devices	30 devices
System Requirements	Intel PC or equivalent with available PCI slot	Intel PC or equivalent with available PCI slot	Intel PC or equivalent with available PCI slot	Intel PC or equivalent with available PCI slot
Operating Systems	Windows® 95 and 98 Windows NT® 4.0	Windows NT 4.0 W/S and Server Windows 95 and 98 NetWare 3.2, 4.2, 5.0 SCO UnixWare 2.1.3 SCO Unix 7.1.0 ** Solaris 7 ** Linux	Windows NT 4.0 W/S and Server Windows 95 and 98 NetWare 3.2, 4.2, 5.0 SCO UnixWare 2.1.3 SCO Unix 7.1.0 ** Solaris 7 ** Linux	Windows NT 4.0 W/S and Server Windows 95 and 98 NetWare 3.2, 4.2, 5.0 SCO UnixWare 2.1.3 SCO Unix 7.1.0 ** Solaris 7 ** Linux
Cables In Kit (All are internal cables)	One 3-position 68-pin LVD with terminator One 3-position 50-pin	One 5-position 68-pin LVD with terminator One 3-position 50-pin	One 5-position 68-pin LVD with terminator One 3-position 68-pin Ultra Wide SCSI One 3-position 50-pin	One 5-position 68-pin LVD with terminator One 3-position 50-pin
Software in Kit	Adaptec EZ-SCSI® software and supported operating systems drivers	Adaptec EZ-SCSI software and supported operating systems drivers	Adaptec EZ-SCSI software and supported operating systems drivers	Adaptec EZ-SCSI software and supported operating systems drivers
Physical Dimensions	6,87" x 3,87"/17,5 cm x 9,8 cm	6,87" x 3,87"/17,5 cm x 9,8 cm	6,87" x 3,87"/17,5 cm x 9,8 cm	6,87" x 3,87"/17,5 cm x 9,8 cm

* Also supports Fast SCSI and SCSI-1 devices ** Available from O/S vendor

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