LSI Logic
Distribution Product Guide

MegaRAID Adapters
Host Bus Adapters

LSI LOGIC ®

Powerful Information Protection

Whether you're an IT professional or an OEM, you can depend on LSI Logic to deliver the standard storage solutions you need. Our innovative storage products include I/O controllers, SCSI and Fibre Channel Host Bus Adapters (HBAs), and RAID storage adapters, all designed to give you the performance, reliability, efficiency and availability your application demands.

As the global leader in the standard storage industry, LSI Logic supports customers the world over, with market-leading SCSI, serial ATA and Fibre Channel technology. Our long-term stability, expertise and commitment to innovation ensure that you'll always benefit from the latest technology, backed by the solid foundation that only an industry leader like LSI Logic can promise.

Advanced Controllers & HBAs

For more than 20 years, LSI Logic has provided industry-leading storage solutions to major OEMs, such as Compaq, Sun Microsystems, Hewlett-Packard and Intel. Thanks to our success with these programs, we can now deliver multi-platform, innovative, quality products for your applications, as well.

Leading LSI Logic technologies include the evolving SAS interface and our exclusive Fusion-MPT™ architecture. Using industry-standard ARM® processor technology, Fusion-MPT uniquely employs the same device driver that supports Ultra320 SCSI, serial ATA and Fibre Channel, so you no longer need to develop, install and qualify separate device drivers for each physical interface. OEMs can invest in a single I/O architecture that allows them to choose the best physical interface for the application, while retaining the flexibility to migrate to emerging technologies.

So not only is Fusion-MPT the fastest and most efficient architecture for high-performance controllers, it's also the most versatile.

LSI Logic's Ultra320 SCSI controller implementation more than doubles the bandwidth and performance of previous-generation Ultra160 SCSI solutions, with features like paced transfers, packetized protocol, Quick Arbitrate & Select (QAS) and Retained Training Information (RTI). Integrated Mirroring' (RAID-1) of two Ultra320 SCSI hard drives provides "hot spare" capability. PCI SCSI host bus adapters, designed around LSI Logic's innovative technologies and features sets, offer unparalleled performance, reliability and interoperability, a must for today's I/O-intensive desktop, server and workstation environments.

With more than 10 years' experience in Fibre Channel technology, we offer a full spectrum of Fibre Channel products for hubs, switches, workstations, servers and storage systems. Our line of host bus adapters leads the industry in perform-ance, reliability and distance-to-inter-connect, to fully support today's storage area networks. In fact, no other company has more experience or competency in technologies (SCSI, gigabit Ethernet, Fibre Channel), form factors (compact PCI, low-profile PCI, PCI mezzanine) and operating systems including Windows NT/2000/XP/.NET, Solaris, Linux and more.

Powerful RAID Solutions
Powered by a proven firmware engine and common interface across product lines, LSI Logic's MegaRAID controllers balance features, perform-ance and price, to deliver superior flexibility, reliability and cost-effective operation. Our complete spectrum of PCI-RAID solutions range from highly integrated RAID-on-motherboard (ROMB) and RAID-on-chip (ROC) technologies to high-performance host-based serial ATA and ATA

RAID adapters. Each LSI Logic MegaRAID system features straightforward setup, configuration and management utilities, including:
- Online capacity expansion and RAID level migration;
- Unified firmware for easier, more compatible upgrades;
- Hot key, GUI and Web interfaces; and
- Background initialization for Quick RAID 5 setup.

The complete MegaRAID feature set ensures that information is always protected and available, even during back-up, rebuild or enhancement operations.

Advanced hardware design features include:
- Half-size and low-profile form factors for slim-line desktops and "blade"-style server arrays, in environments where space is a consideration;
- Transportable battery-backed memory, for complete protection of data, even in the event of controller failure; and
- Combination of PCI RAID and motherboard-based RAID within the same system, for simplified expansion and optimum utilization of existing server resources.

What's more, LSI Logic's MegaRAID controllers support all major operating systems, including Linux, Netware and Windows NT/2000/XP.

Convenient Distribution
Strategic partnerships with distributors such as Arrow Electronics, Avnet, Insight Electronics, Bell Microproducts and Tech Data allow us to offer our competitively priced board-level solutions to system integrators and value-added resellers worldwide.
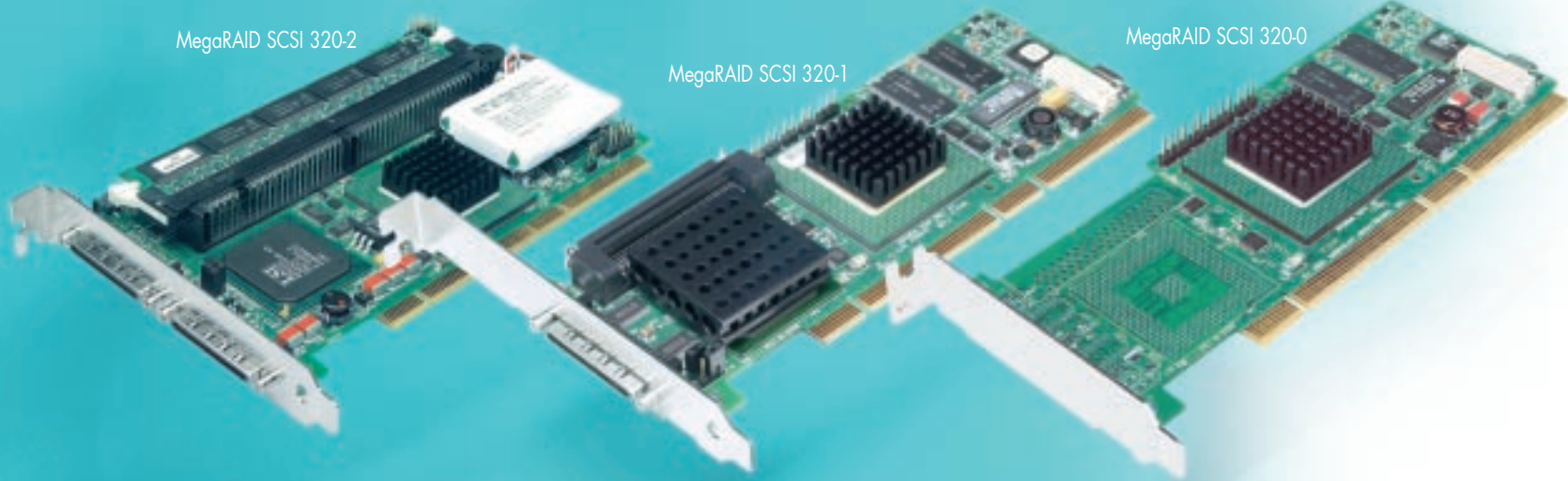
Our MegaRAID products increase levels of redundancy with consistency across platforms, transparency to users and minimal administrative overhead for technology professionals and integrators.

MegaRAID SCSI 320-2   MegaRAID SCSI 320-1   MegaRAID SCSI 320-0

Ultra320 MegaRAID Products

LSI Logic was the first to offer advanced PCI SCSI RAID storage adapters with Ultra320 support. Backed by the technology for 64-bit addressing, a robust RAID feature set, and advanced memory and caching policies, LSI Logic's Ultra320 MegaRAID solutions deliver enterprise-class data throughput and fault tolerant capabilities, plus easy-to-use management utilities – features that are essential for both high-end servers and workstations where performance, reliability and availability are key.

MegaRAID SCSI PCI Products

MegaRAID SCSI 320-0 - First-to-Market Ultra320 RAID. This entry-level zero-channel RAID (ZCR) solution requires motherboard interrupt steering logic and routing circuitry to control SCSI device embedded on the motherboard.
- *Full MegaRAID feature set*
- *Intel® 80302 processor*
- *Half size, low profile form factor*
- *IA-64 ready*
- *64-bit, 66 MHz PCI 2.2*
- *Integrated ECC SDRAM cache memory*

MegaRAID SCSI 320-1 - First-to-Market Ultra320 RAID. This full-featured single-channel solution offers powerful single channel Ultra320 performance based on LSI Logic's 53C1020 for high performance workstation and entry-level server environments
- *Full MegaRAID feature set*
- *Intel® 80302 processor*
- *One LSI 53C1020 single-channel Ultra320 SCSI controller*
- *Half size, low profile PCI form factor*
- *IA-64 ready*
- *64-bit, 66MHz PCI 2.2*
- *Integrated ECC SDRAM cache memory*

MegaRAID SCSI 320-2 - First-to-Market Ultra320 RAID. This dual channel solution features extensive fault tolerance capabilities including optional battery-backed cache memory.
- *Full MegaRAID feature set*
- *Intel® 80302 processor*
- *One LSI 53C1030 dual-channel Ultra320 SCSI controller*
- *Half size PCI form factor*
- *IA-64 ready*
- *64-bit, 66MHz PCI 2.2*
- *Supports up to 256MB 100MHz ECC SDRAM*
- *Optional battery backup*
- *Optional battery backed cache support*

Ultra320 PCI-X MegaRAID Products

LSI Logic's MegaRAID solutions are available to support PCI-X 1.0 and, thus, address the need for increased bandwidth of PCI devices. With PCI-X, you can design systems and devices that operate at clock speeds up to 133 MHz or 1 GB/s. What's more, PCI-X protocol enhancements enable devices to operate much more efficiently, providing more useable bandwidth at any clock frequency. The PCI-X product family includes innovative zero-, dual- and four-channel RAID solutions that couple LSI Logic's proven, full-featured MegaRAID firmware engine with advanced hardware designs. Boasting a 400 MHz I/O processor and 100 MHz DDR memory support, LSI Logic PCI-X MegaRAID technology offers system builders unmatched storage I/O performance for extremely data-intensive storage environments.

MegaRAID SCSI PCI-X Products

MegaRAID SCSI 320-0X* – The innovative PCI-X zero channel RAID (ZCR) solution requires motherboard interrupt steering logic and routing circuitry to control SCSI device embedded on the motherboard.
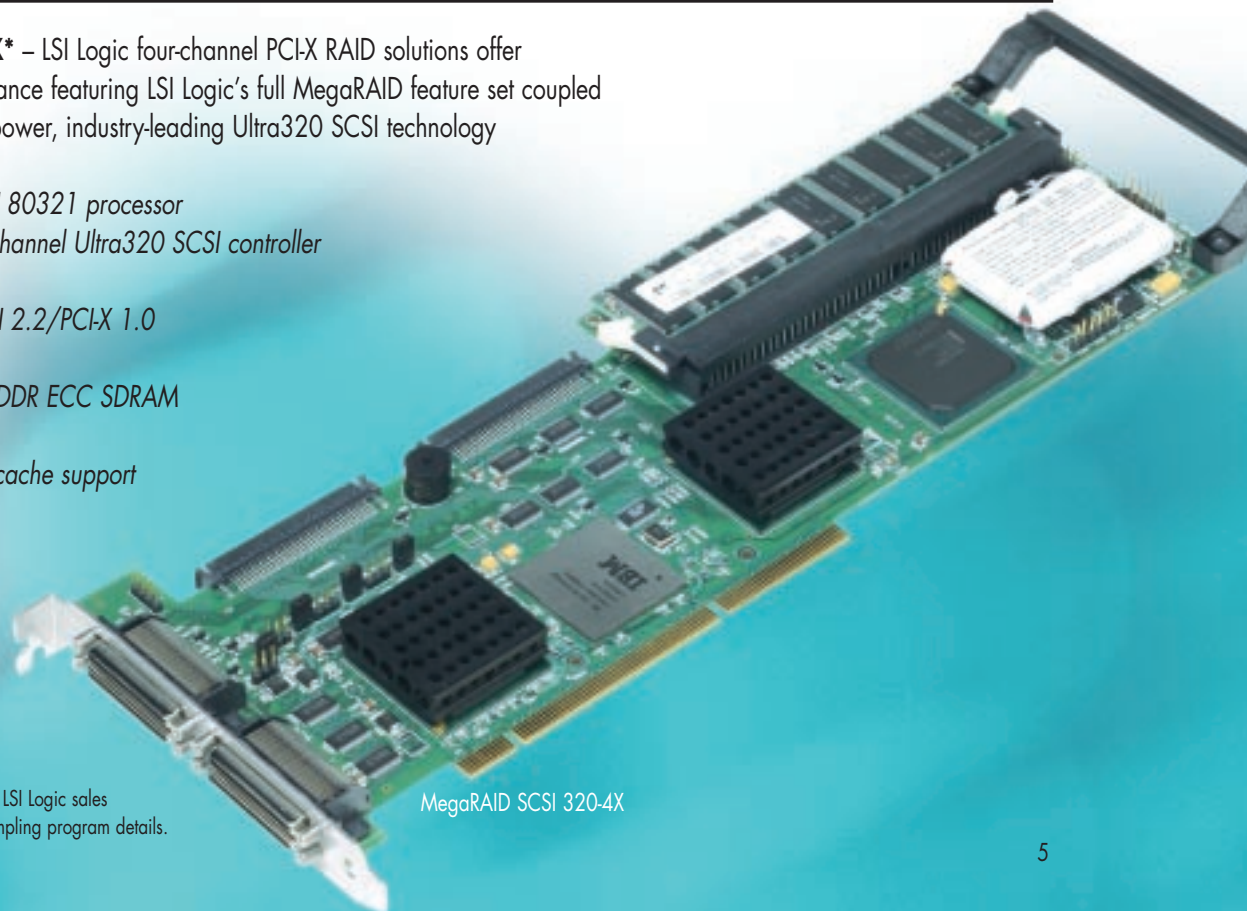- Full MegaRAID feature set
- 400MHz Intel® Xscale™ 80321 processor
- Half size, low profile form factor
- 64-bit, 66/133MHz PCI 2.2/PCI-X 1.0
- Integrated 100Mhz DDR ECC SDRAM cache memory
- Optional battery backup daughter card

MegaRAID SCSI 320-2X* – Featuring the innovative LSI Logic Ultra320 PCI-X SCSI controller, this solution maximizes two-channel
- Full MegaRAID feature set
- 400MHz Intel® Xscale™ 80321 processor
- One LSI 53C1030 dual-channel Ultra320 SCSI controller
- PCI-X half size form factor
- 64-bit, 66/133MHz PCI 2.2/PCI-X 1.0
- Up to 256MB 100MHz DDR ECC SDRAM
- Optional battery backup
- Optional battery backed cache support

MegaRAID SCSI 320-4X* – LSI Logic four-channel PCI-X RAID solutions offer unmatched storage performance featuring LSI Logic's full MegaRAID feature set coupled with 400 MHz processing power, industry-leading Ultra320 SCSI technology and DDR memory support.
- 400MHz Intel® Xscale™ 80321 processor
- Two LSI 53C1030 dual-channel Ultra320 SCSI controller
- PCI-X full size form factor
- 64-bit, 66/133MHz PCI 2.2/PCI-X 1.0
- 4Ch SCSI 320M
- Up to 256MB 100MHz DDR ECC SDRAM
- Optional battery backup
- Optional battery backed cache support

MegaRAID SCSI 320-4X

MegaRAID Express 500

MegaRAID Enterprise 1600

MegaRAID Elite 1650

Ultra160 MegaRAID Products

MegaRAID Express Products

MegaRAID Express 500 – most popular single-channel SCSI RAID controller in the world features powerful, advanced MegaRAID features at a very low cost.
• *High performance Intel i960 RISC I/O processor driving a single Ultra160 SCSI channel*
• *Windows NT/2000 cluster support*
• *PCI 2.2 compliant*
• *Supports up to 15 hard drives at RAID levels 0, 1, 3, 5, 10, 30 and 50*
• *Up to 128MB ECC SDRAM via single DIMM slot*

MegaRAID Elite Products

MegaRAID Elite 1600 – the most popular two channel controller in the world, and its faster successor, the **MegaRAID Elite 1650**, feature 64-bit, 66MHz PCI performance with optional battery backup.
• *Extensive fault-tolerant capabilities*
• *IA-64 ready, with advanced Intel I/O processor driving two Ultra160 SCSI channels*
• *Windows NT/2000 cluster support*
• *Supports up to 30 hard drives with RAID levels 0, 1, 3, 5, 10, 30, and 50*
• *Supports up to 256MB 100MHz ECC SDRAM (128MB on the Elite 1600)*

MegaRAID Enterprise Products

MegaRAID Enterprise 1600 – the most powerful four channel controller available, featuring 64-bit, 66MHz PCI interface and transportable battery backup.
• *Extensive fault-tolerant capabilities, with on-board transportable battery backup*
• *IA-64 ready, with a high performance Intel i960 RISC I/O processor driving four Ultra160 SCSI channels*
• *Windows NT/2000 cluster support*
• *Supports up to 60 hard drives with 32 drives per logical array, with RAID levels 0, 1, 3, 5, 10, 30 and 50*
• *Auto resume during array rebuild/reconstruction*
• *Supports up to 128MB ECC SDRAM*

SATA MegaRAID Products

With LSI Logic's Serial ATA solutions, you can take advantage of an evolutionary replacement for the Parallel ATA physical storage interface. Serial ATA is scalable and allows future enhancements to the computing platform, with a roadmap expecting to span over 10 years.

Other advantages of Serial ATA include:
- *Easier upgrade of storage devices*
- *Point-to-point configuration*
- *Hot pluggable drive support*
- *Improved power management*
- *Simpler configuration, without many of the previous requirements on jumper and settings*
- *Thinner Serial ATA cables, up to one meter long, to address concerns about airflow and allow smaller and more versatile chassis designs*
- *Improved silicon designs, for lower pin counts and lower voltages*

MegaRAID SATA Products

MegaRAID SATA 150-6* – First-to-Market SATA RAID Storage Adapters offer LSI Logic's full MegaRAID feature set and supports six SATA 150 drive channels, integrated 100 MHz ECC SDRAM and onboard processor.
- *Intel® 80302 processor*
- *64-bit, 66 MHz PCI 2.2*
- *Half size form factor*
- *Six SATA 150 channels*
- *Battery backup support*
- *64MB integrated 100Mhz ECC SDRAM*
- *Hot swap support native in SATA protocol handled through Firmware on the card*
- *Backplane and 3rd party enclosure management support*

MegaRAID SATA 150-2* – Featuring two SATA 150 channels and powered by LSI Logic's MegaRAID IDEal Software RAID solution, the MegaRAID SATA 150-2 is ideal for low-cost desktop, workstation and entry-level server environments.
- *Low profile PCI form factor*
- *One Sil 3112A SATA controller*
- *32bit, 66MHz PCI 2.2*
- *Two SATA 150 channels*
- *Also available as non-RAID adapter solution*

MegaRAID SATA 150-8* – LSI Logic's enterprise-class Serial ATA RAID solution will offer eight high-performance SATA channels in a half-size form factor.
- *Full MegaRAID feature set*
- *Eight SATA 150 channels*
- *Intel® 80302 processor*
- *64-bit, 66MHz, PCI 2.2*
- *PCI half size form factor*

MegaRAID SATA 150-6

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* Customers should contact their local LSI Logic sales representative for availability and sampling program details.

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MegaRAID ATA 133-2

MegaRAID i4

ATA MegaRAID Products

LSI Logic ATA RAID products feature both non-processor and processor-based implementation to meet a wide range of entry-level and sub-entry-level server and performance workstation environments.

MegaRAID ATA Products

MegaRAID i4 – The cost-effective MegaRAID i4 offers the same advanced RAID functionality found in today's high-performance PCI SCSI RAID solutions.
• Four-channel ATA/100 RAID
• Full MegaRAID feature set
• Intel® i960RS processor
• PCI half size form factor
• 16 MB of integrated ECC SDRAM

ATA RAID Solutions featuring MegaRAID IDEal RAID software offer sub entry-level server and workstation environments an economical solution for data redundancy and increased system performance. IDEal RAID solutions also offer an easy migration path to processor-based solutions that offer data parity across RAID arrays (RAID 5).

MegaRAID ATA 133-2 – LSI Logic's next-generation ATA/133 based RAID solution. The MegaRAID ATA 133-2, powered by MegaRAID IDEal Software, offers faster IO performance in a low-profile form factor for added ease of integration into tight form factor environments.
• RAID 0, 1 & 10 supported
• 48-bit LBA (Logical Block Addressing) for drives larger than 137 GB
• CMD 680 with flash support
• 32bit, 33MHz PCI 2.2, MD2 size (low profile)
• Two internal ATA 133 channels

MegaRAID IDE 100 – dual channel ATA/100 RAID storage adapter. Entry level IDE RAID featuring extremely low price point and easy-to-use management and configuration utilities
• RAID 0, 1 & 10 supported
• Links multiple drives into a single virtual array
• Rebuilds data in the background with hot spare

Fibre Channel Host Bus Adapters

LSI Logic Fibre Channel Host Bus Adapters (HBAs) deliver a new level of reliability, speed and distance in interconnect technology. Designed with a low-profile PCI form factor, these adapters are available in cost-effective, single-channel models, ideal for workstations or entry-level servers, or in dual-channel models, for high-performance applications such as digital media, data warehousing or data mining. All LSI Logic Fibre Channel HBAs incorporate our exclusive Fusion-MPT architecture, for high throughput and low I/O latency in Fibre Channel switched-network topologies and conventional arbitrated-loop designs.
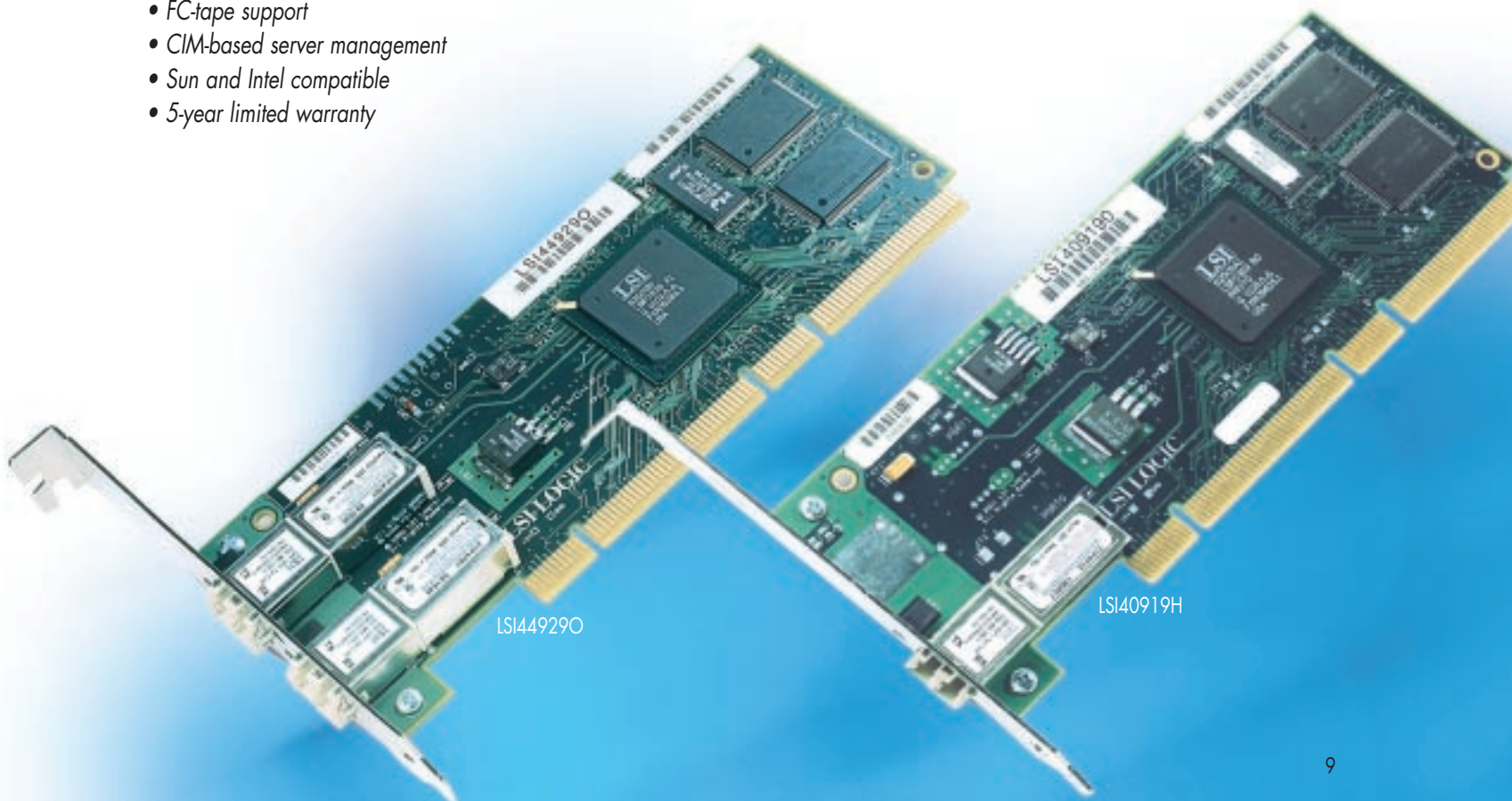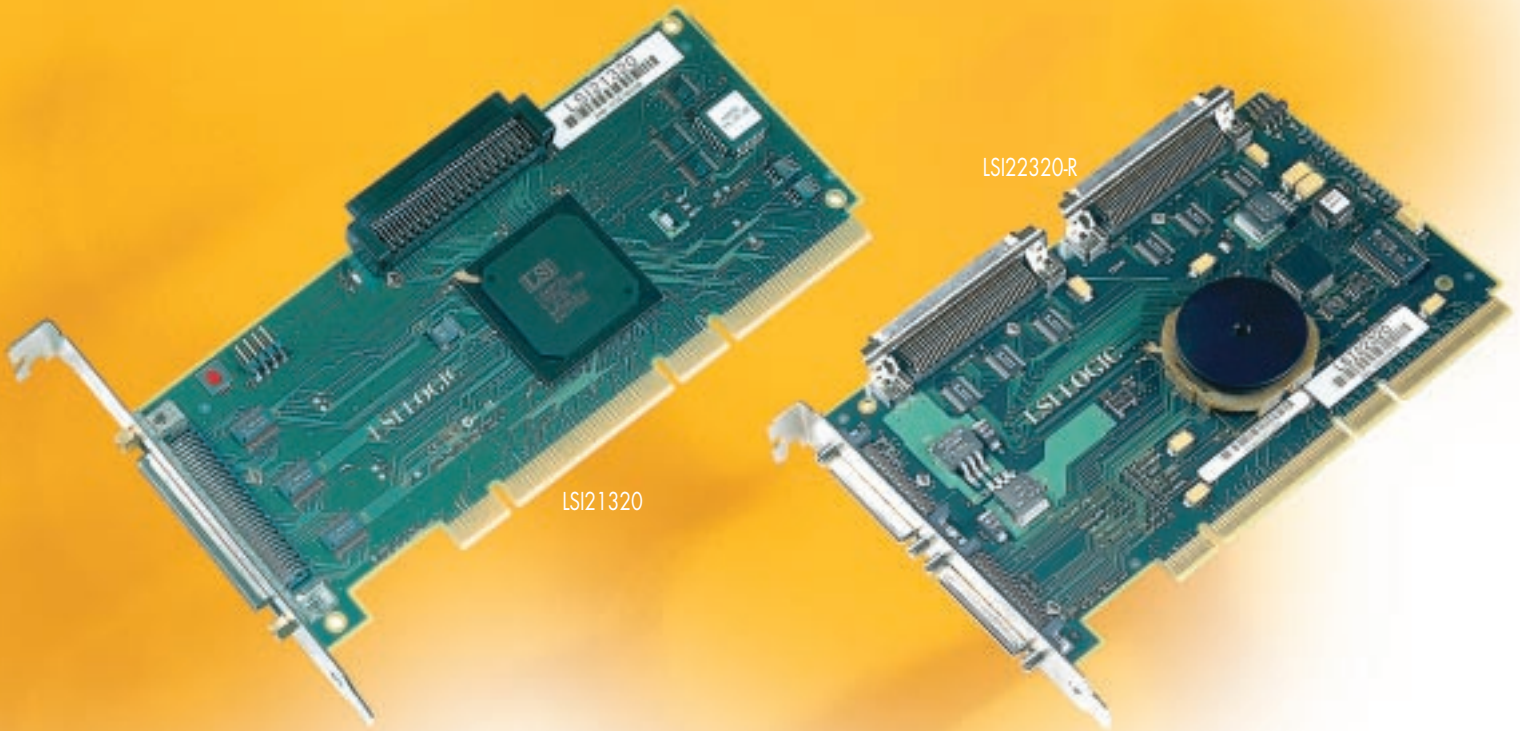
Fibre Channel Host Bus Adapter Products

LSI40919H – 64-bit PCI Fibre Channel Single-Channel Host Adapter. This copper-connector, rackmount HBA is designed for multi-purpose applications, including high-performance disk drives, RAID and JBOD mass storage systems. The single 2Gbit channel enables speeds of up to 400MB/s and supports concurrent SCSI and IP protocol.

- *2Gbit channel – up to 400 MB/s, full duplex*
- *Switch, loop and point-to-point topologies supported*
- *Auto-negotiation for legacy connect (1 or 2 Gbit)*
- *Concurrent SCSI and IP protocol*
- *FC-tape support*
- *CIM-based server management*
- *Sun and Intel compatible*
- *5-year limited warranty*

LSI44929O – 2 Gbit Fibre Channel Dual-Channel Host Adapter. The LSI44929O, with multi-mode optical connection, is the ideal choice for enterprise applications when connected to multiple clusters. This low-profile HBA saves additional rack space by providing two independent fibre channels on one host adapter, for clustered or SAN environments.

- *2 independent 2Gbit channels – up to 400 MB/s, full duplex per port*
- *Switch, loop and point-to-point topologies support*
- *Auto-negotiation for legacy connect (1 or 2 Gbit)*
- *Concurrent SCSI and IP protocol*
- *Concurrent target mode and SCSI initiator support*
- *FC-tape support*
- *CIM-based server management*
- *Sun and Intel compatible*
- *5-year limited warranty*

LSI44929O

LSI40919H

LSI22320-R

LSI21320

SCSI Host Bus Adapter Products

LSI Logic Ultra320 HBAs utilizes Fusion-MPT™ architecture that allows for thinner drivers for better performance (up to 100,000 I/Os per sec) while adding value and flexibility at the firmware level. Powered by the industry's first PCI-X to dual-channel and single-channel Ultra320 SCSI controllers, LSI Logic Ultra320 HBAs are designed to power today's fastest 64-bit/133 MHz PCI-X systems.

Ultra320 SCSI Host Bus Adapter Products

LSI22320-R – The LSI Logic LSI22320-R Ultra320 SCSI Dual Channel host adapter delivers the speed and bandwidth required by today's data intensive storage applications. With PCI-X throughput of 1056 MBps and optional Integrated Mirroring capabilities, this adapter is ideal for enterprise servers and high performance workstations working in environments where data intensive, high capacity and high availability applications are being used.
- *Ultra320 SCSI, PCI-X 133MHz*
- *640 MBps of Ultra320 speeds on two channels*
- *Fusion-MPT architecture featuring 100,000 IO/s*
- *Integrated Mirroring for boot volume and OS protection*
- *Connects up to 30 internal/external connects such as JBOD, RAID, hard disk drives*
- *Supports all major operating systems*
- *Supports Sun and Intel based systems*
- *5 year limited warranty*

LSI21320 – The LSI Logic LSI21320 Ultra320 SCSI Dual Channel host adapter is ideal for use in high performance workstations and entry-level to mid-range servers. With 320 MBps and capability of up to 100,000 I/Os per second, this adapter is ideal for transferring high speed and high capacity data.
- Ultra320 SCSI, PCI-X 133MHz
- 640 MBps of Ultra320 speeds on two channels
- Fusion-MPT architecture featuring 100,000 IO/s
- Connects up to 30 internal/external connects such as JBOD, RAID, hard disk drives
- Supports all major operating systems
- Supports Sun and Intel based systems
- 5 year limited warranty

Ultra320 SCSI Host Bus Adapter Products

LSI20320 – The LSI Logic LSI20320 Ultra320 SCSI Single Channel host adapter is the right choice for increasing internal storage performance within ISP, rackmount and high performance workstations. Designed for applications that don't require as many external connections, this cost effective solution gives you the performance you need, at a price that is right.
- Ultra320 SCSI, PCI-X 133MHz
- 320 MBps data transfer rates
- MD2 form factor, low profile bracket available upon request
- Fusion-MPT architecture featuring 50,000 IO/s
- Connects up to 15 internal/external connects such as JBOD, RAID, hard disk drives
- Supports all major operating systems
- Supports Sun and Intel based systems
- 5 year limited warranty

Ultra160 SCSI Host Bus Adapter Products

LSI21040 – The LSI21040 features one Ultra160 SCSI channel for maximum performance and one single-ended channel for legacy SCSI devices. The LSI21040 leverages the dual-channel LSI53C1010 Ultra160 SCSI controller, which supports Ultra160 SCSI and offers features that ensure robust Ultra160 SCSI system operation.
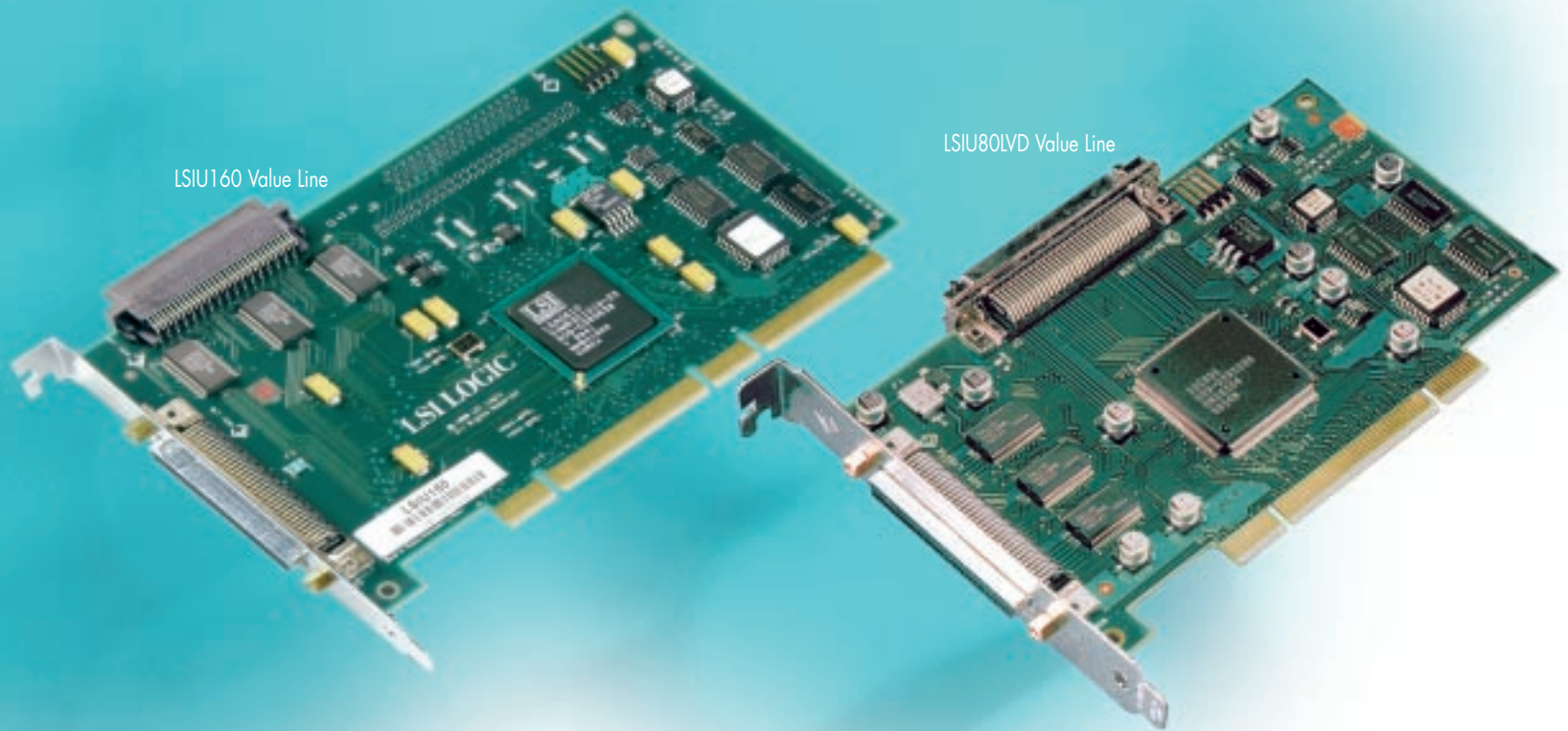- *True multi-function PCI device with one high performance channel for Ultra160 SCSI devices*
- *One legacy SCSI channel for single-ended internal peripheral support*
- *Connects up to 30 devices*
- *Ensures data integrity by intelligently validating the compatibility of your SCSI domain with SureLINK technology*
- *Device driver support for all major operating systems.*

Ultra SCSI Host Bus Adapter Products

LSI20860 – 32-bit PCI to Ultra SCSI Host Adapter. This single-channel HBA is our lowest cost adapter and is ideal for legacy peripheral desktop SCSI connectivity applications. Featuring an 8-bit Ultra SCSI host adapter with a 32-bit bus master (DMA) PCI host interface, the LSI20860 connects up to seven devices and easily attaches desktop PCs to peripherals such as non-bootable SCSI hard drives and other SCSI devices.
- *Provides low-cost SCSI connectivity for desktop and workstation applications*
- *Supports CD-ROMS, tape storage devices and popular high-capacity, removable media devices (Iomega™ and Syquest™)*
- *SCSI activity LED connector*
- *TolerANT signaling technology ensures greater data integrity*
- *Allows intermixing of Ultra and Fast devices on SCSI bus*
- *5-year limited warranty*

LSI20860

LSI21040

Ultra Value Line SCSI Host Bus Adapter Products

LSI Logic SCSI host bus adapters deliver the performance and power that OEMs, VARs and system integrators depend on to keep data moving faster and more reliably. LSI Logic's SCSI HBAs feature SureLINK™ domain validation technology, which detects the configuration of the SCSI bus and automatically tests and adjusts the SCSI transfer rate to optimize interoperability.

Ultra Value Line SCSI Host Bus Adapter Products

LSIU160 Value Line – Ultra160 SCSI Single-Channel Host Adapter. This all-purpose server SCSI adapter is ideal for any application requiring high I/O performance, data integrity and scalability with a low implementation risk. The LSIU160 features Ultra160 SCSI both internally, when connecting high-performance hard disk drives, and externally, for connecting drive enclosures and peripherals.
- *High-performance single-channel Ultra160 SCSI solution*
- *Supports multi-tasking operation systems*
- *SureLINK™ domain validation technology ensures data integrity*
- *Fully backward compatible with older SCSI devices, protecting legacy device investments*
- *Supports one-button disaster recovery for tape drives, for rapid data recovery*
- *Supports Windows and Linux operating systems with SDMS software*
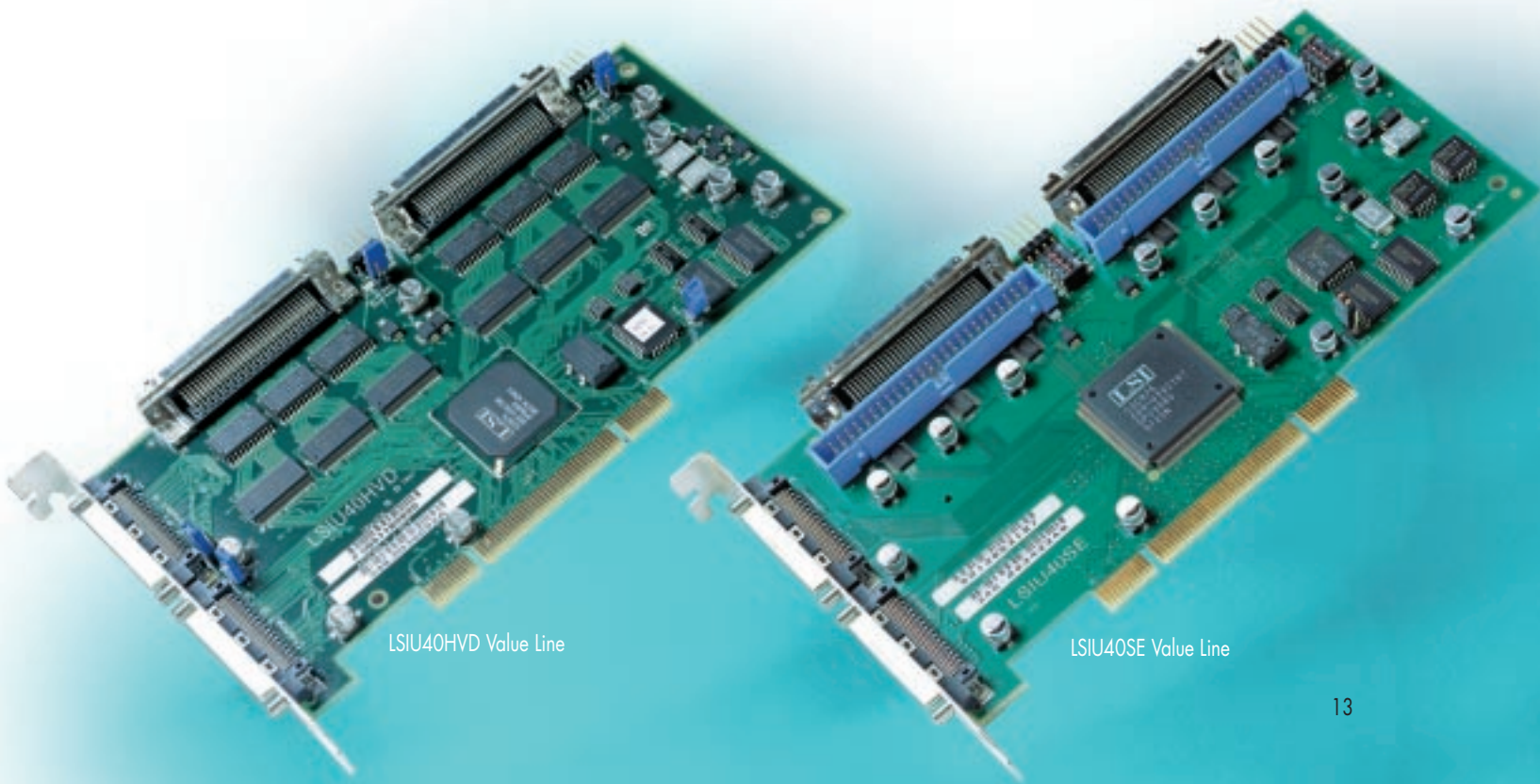- *3-year limited warranty*

LSIU80LVD Value Line – Ultra2 LVD SCSI Host Adapter. This single-channel adapter's Ultra2 LVD connection offers higher performance (80MB/s), longer cable length (12m) and higher reliability than Ultra SCSI, at an affordable price, making it the ideal solution for direct-attach storage of tape and optical drive/libraries to a workstation or server. The LSIU80LVD automatically switches from single-ended operation for legacy Fast/Ultra devices to universal low-voltage differential (LVD) operation, when LVD-enabled or Ultra2 devices are connected.
- *Supports wide (16-bit) Ultra2, Ultra and Fast SCSI devices*
- *Incorporates LVDlink™ technology, for the data reliability of differential signaling, without the high cost of high-voltage differential (HVD) transceivers*
- *Supports LVD or single-ended SCSI devices*
- *SureLINK domain validation technology ensures data integrity*
- *Supports one-button disaster recovery for tape drives, for rapid data recovery*
- *Supports Windows and Linux operating systems with SDMS software*
- *3-year limited warranty*

LSIU40SE Value Line – Ultra SE SCSI Host Adapter. This multi-function board provides two identical, independent, single-ended Ultra SCSI channels, for increased connectivity without utilizing additional PCI slots. The single board delivers a powerful dual-channel, multi-tasking interface for Ultra SCSI peripherals, including disk, tape, CD-ROM and other SCSI devices, in applications requiring SE connections.
- *PCI 32-bit, 33 MHz*
- *Connects up to 30 internal/external devices such as JBOD, RAID, scanners*
- *On-board configuration utility allows viewing and changing of default configuration settings*
  for the host adapter and connected SCSI peripherals
- *Modifies on-board terminators, depending on cable configuration and LEDs, to assist termination power monitoring*
- *Supports Windows and Linux*
- *3-year limited warranty*

LSIU40HVD Value Line – Ultra HVD SCSI Host Adapter. With two identical, independent differential Ultra SCSI channels, this multi-function board offers increased connectivity in fewer PCI slots. In applications requiring HVD-connected peripherals, the LSIU40HVD provides a powerful multi-tasking interface for Ultra SCSI peripherals, such as RAID storage, tape libraries and other SCSI devices.
- *PCI 32-bit, 33 MHz*
- *Dual channel Ultra SCSI*
- *Connects up to 30 internal/external devices such as JBOD, RAID, scanners*
- *On-board configuration utility allows viewing and changing of default configuration settings*
  for the host adapter and connected SCSI peripherals
- *Modifies on-board terminators, depending on cable configuration and LEDs, to assist termination power monitoring*
- *Supports Windows and Linux*
- *3-year limited warranty*

LSIU40HVD Value Line

LSIU40SE Value Line

Host Adapter Solutions from LSI Logic

LSI Logic is a leader in the industry because of our engineering expertise and ability to combine a variety of I/O functions on a single Host Adapter. These functions include; SCSI, Ethernet, Gigabit Ethernet, Video, and Fibre Channel. Providing users with as many as seven I/O functions on a single adapter, LSI allows users to conserve PCI slots, improve system reliability, and maximize port density.

• Low profile host adapters - LSI Logic introduced the first low-profile SCSI Host Adapters designed for 1U and 2U high rackmount servers. The family of HBAs includes Ultra SCSI, Ultra2 SCSI, Ultra160 SCSI, Ultra320 SCSI, and Fibre Channel to meet the needs of server designers and system integrators.

• Dual channel SCSI and Fibre Channel adapters - Dual channel boards are designed for enterprise servers that feature two high performance channels. These boards handle heavy I/O requirements in high-end applications.

• Single channel SCSI and Fibre Channel adapters for workstations and entry-level servers.

• Internal legacy SCSI adapters for servers, tape back-up, CD-ROM.

• External legacy SCSI adapters for peripheral attach.

• Multi-function and combination adapters – You will find that line of our adapters enable users to achieve the highest levels of overall system performance while conserving valuable PCI slots by placing numerous functions on one board.

Custom Capabilities to meet your specific requirements

LSI Logic offers turnkey capabilities in custom host adapter board design to meet OEM specific needs and technical requirements. These turnkey solutions include engineering resources to full product line production in LSI Logic ISO9001 certified worldwide manufacturing operations. In addition, the multifunction host adapter product line allows us to fit multiple, specific technology requirements onto one adapter saving valuable space within the system. We also have many technologies to choose from depending on speed, bandwidth, distance, and form factor needs including Low Profile PCI and CompactPCI(tm).
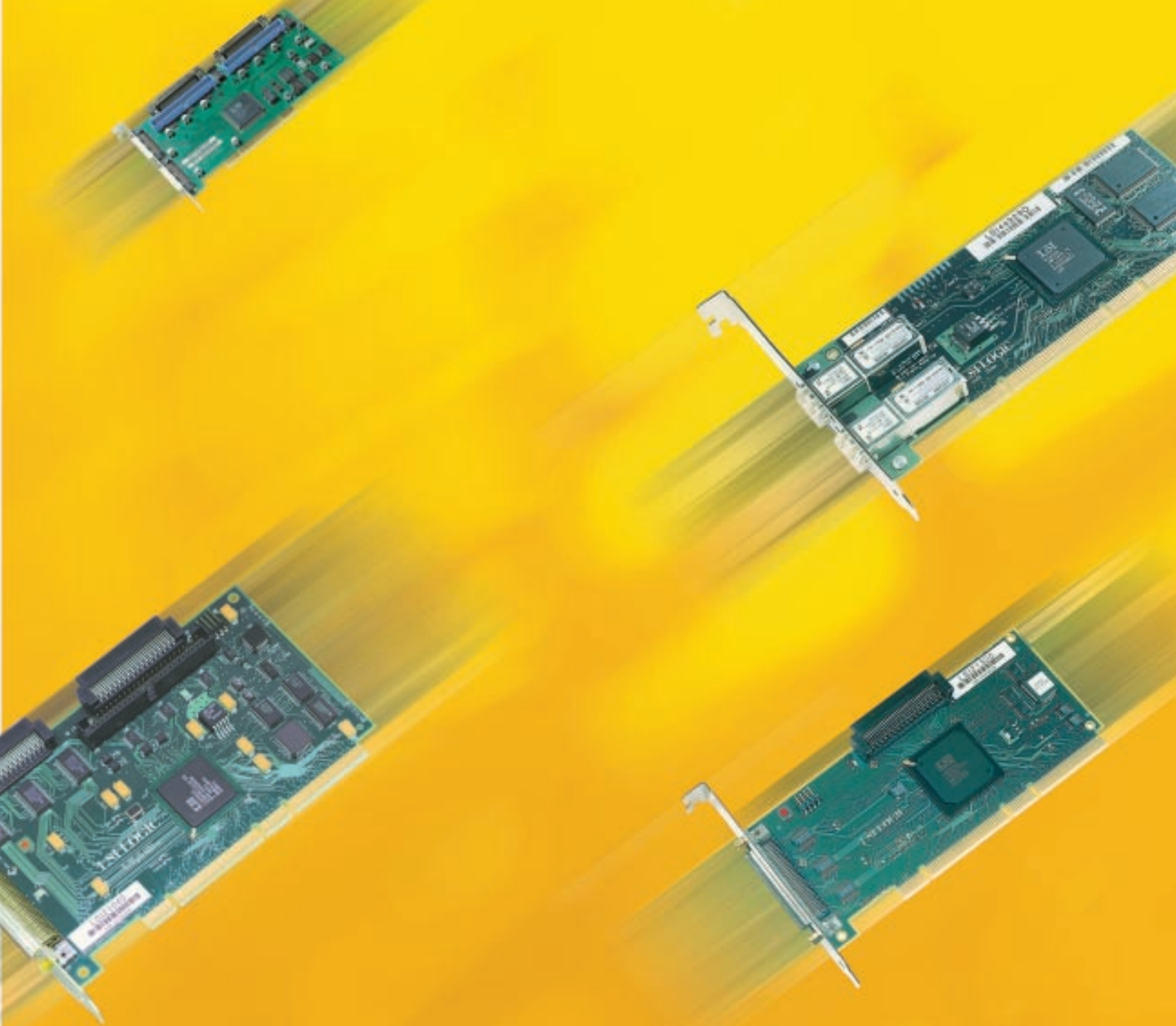
Software And Interoperability You Can Count On

Data reliability and system performance are crucial to mission critical applications. LSI Logic has software that you can count on. The SDMS(tm) software is designed to work with Ultra, Ultra2 and Ultra160 SCSI product lines and we are proud to introduce Fusion-MPT software for easily migrating to future I/O technologies. For a complete 2Gbit Fibre Channel host bus adapter interoperability matrix, visit http://interop.lsilogic.com.

Convenient Kits Provide Everything You Need

Most host adapters are available as individual boards or in boxed kits containing everything you need to install a SCSI or Fibre Channel board in your system. To speed design and system expansion activities, you can obtain most host adapters boxed with cables, software and documentation or custom configured for original equipment manufacturers.

For more information, please visit the LSI Logic web site at:
www.lsilogic.com

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