LSI20160
SCSI Host Adapter

KEY APPLICATIONS
- ISP servers
- High-end desktops
- Workstations

FEATURES
- Low cost Ultra160 SCSI solution
- High performance Ultra160 SCSI channel with LVD connectors
- SureLINK™ domain validation technology ensures data integrity
- Supports all major operating systems with SDMS software
- Supports one-button disaster recovery for tape drives for rapid data recovery
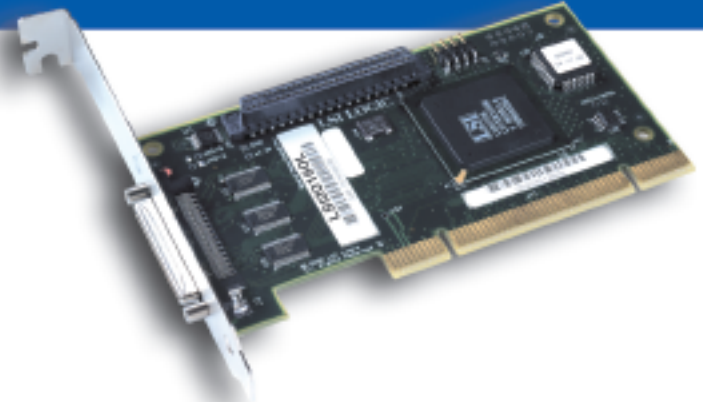- 3 year limited warranty

PCI Bus:
32-bit, 33 MHz PCI

SCSI Bus:
16-bit LVD or Single-ended

SCSI Performance:
Ultra160 (160 MBps)

SCSI Connector Config:
Internal: 68-pin HD
External: 68-pin VHDCI

Max No of SCSI Devices:
15

The LSI20160 Ultra160 SCSI host adapter is our lowest cost adapter for any application needing to add a SCSI adapter.

GET A LOW COST, HIGH PERFORMANCE SOLUTION FOR ANY APPLICATION

The LSI Logic LSI20160 Single Channel Ultra160 SCSI host adapter is our "all purpose" SCSI adapter. This adapter is ideal for any application needing added SCSI connectivity at a low cost. The LSI20160 adapter features Ultra160 SCSI performance both internally when connecting high perform-ance disk drives and externally when connecting to drives and peripherals.

This adapter provides the advanced features necessary to ensure reliable Ultra160 system operation and meets the data transfer requirements of emerging system technologies. It includes LSI Logic SureLINK domain validation technology, available exclusively from LSI Logic, that ensures data integrity by intelligently testing the network before completing negotiation.

WARRANTY

For more than 15 years, LSI Logic host adapters have been providing high-performance SCSI solutions to leading server, disk array and computer systems worldwide. Each host adapter carries a powerful chip built in LSI Logic's ISO 9001-certified fabrication facilities. Using only the highest quality components, LSI Logic host adapters are assembled and tested in world-class facilities to assure superior product reliability and performance. Because of stringent quality management programs, our host adapters carry a five-year limited warranty.

LSI20160 ORDERING INFORMATION

LSI20160	Full high ISA/EISA bracket
LSI20160L	Low profile bracket

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LSI20160 SCSI Host Adapter

Technical Specifications

PCI Bus	32-bit, 33 MHz max	
PCI Modes	Bus master DMA	
PCI Data Burst Transfer Rate	132 MB/second (32-bit bus @ 33 MHz)	
PCI Card Type	Universal add-in card (3.3V and 5.0V signaling)	
PCI Voltage	+5V ±5%	
PCI Form Factor	4.721" x 2.53"	
PCI Power	7.5 Watts, 1.5A @ +5VDC	
Bracket	ISA/EISA and low profile option	
Certification Level	PCI 2.2, PC 99 compliant	
SCSI Bus	Wide Ultra160, LVD (Low Voltage Differential) and SE (Single-Ended)	
SCSI Processor	LSI53C1000	
Connectors	**External**	**Internal**
	68-pin VHDCI	68-pin HD
Termination	Universal (LVD/SE) termination Automatic cable detection Software disable Jumper disable option (not populated on standard board)	
Termination Power	Self resetting 1.5A fuse	
LED Indicators	4-pin header for off-board LEDs	
BIOS Flash Memory	128K x 8 flash EEPROM	
Subsystem ID	SVID – 1000h	
	SSID – 1060h	
Environments	**Operating**	**Storage**
Temperature	0°C to 55°C	-40°C to +105°C
Relative Humidity	5 to 90% non-condensing	5 to 90% non-condensing
MTBP	>500,000 hours	
Compliances	CE, VCCI, Canada, C-Tick, FCC class B, UL 94VO	

Software Support

OS Support	Versions
Windows	95, 98, Me, NT4.0, SP4 and above, 2000, 2000 SP1 and XP
Linux	2.2 and 2.4 kernels
NetWare	4.11, 4.2 and 5.X
UnixWare	2.12 and 7.X
SCO Unix	5.X
OS/2	3.0 or greater
Solaris	X86 versions 2.6, 2.7, and 2.8
Sun Solaris	Versions 2.6 and greater, Open Boot PROM version 3.0 and greater
Utilities	Install, Flash, SCSI format, BIOS configuration, and NT configuration
Domain Validation	Windows NT, 2000 and XP/levels 1, 2, and 3
Data Protection	CRC and AIP
Device Support	OBDR (tape booting) and bootable CD-ROM

For more information please visit the LSI Logic web site at:
http://storageio.lsilogic.com

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ISO 9000 Certified

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