Asus LSI 896 Manual

Ultra2 scsi, ultra 160 scsi

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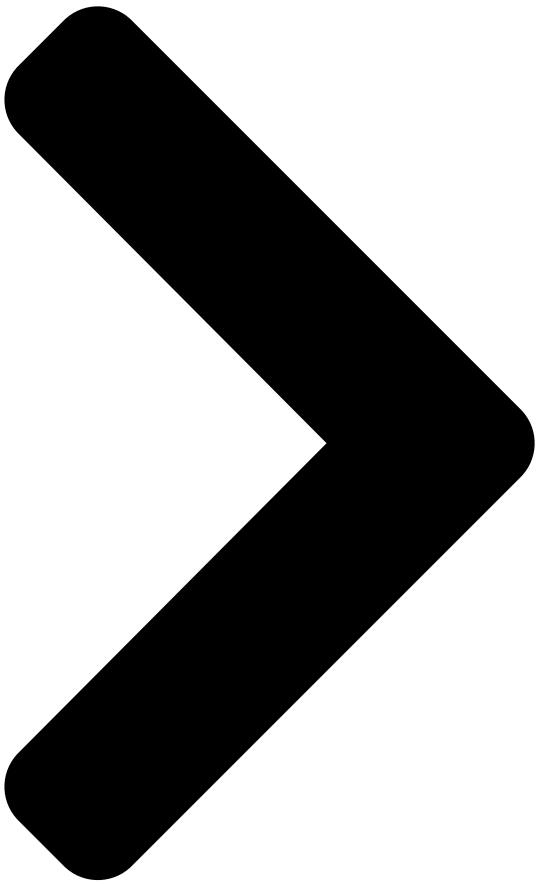

LSI Integrated SCSI

LSI 896 32-bit 2Ch. Ultra2 SCSI

LSI 1010-33 32-bit 2Ch. Ultra160 SCSI

LSI 1010-66 64-bit 2Ch. Ultra160 SCSI

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Related Manuals for Asus LSI 896

Recording Equipment Asus samplepad pro User Manual

(45 pages)

Recording Equipment Asus AAEON NIM-S13C Quick Installation Manual

Network interface module (23 pages)

Summary of Contents for Asus LSI 896

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Page 2: Table Of Contents

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Page 3: General Description

PCI SCSI Device Management System (SDMS™) software operates the chipset, but the design of the chipset does not prevent other software to be used with it. BIOS support for this chipset is incorporated in the ASUS moth- erboard BIOS.

Page 4: The Scsi Interface

SCSI bus when setting up your system. The cable provided is matched for a Fast/Ultra/Ultra2 SE or LVD operation. This cable also has built-in LVD termination since most Ultra2 hard disk drives are not made with onboard LVD termination. ASUS LSI SCSI User's Manual...

Page 5: Connecting Your Scsi Peripherals

If only internal SCSI device connections on your integrated SCSI have been made, then terminate the last internal device on the SCSI bus. You must disable the termination on all other devices. Termination on the LSI integrated SCSI integrated SCSI is automatically enabled in this case. ASUS LSI SCSI User's Manual...

Page 6: External Scsi Connections

ON to assist in assigning SCSI IDs. Determine the SCSI ID of each device on the SCSI bus. Note any duplications. Make any necessary changes to the SCSI IDs and record the IDs for future reference. ASUS LSI SCSI User's Manual...

Page 7: Setting Interrupts

Device Default Settings Settings for Individual SCSI Devices Default Settings Synchronous Transfer Rate (MB/Sec) 40 or 80 Data Width Disconnect Read/Write I/O Time-Out (secs) Scan for Devices at Boot Time Scan for SCSI LUNs Queue Tags Enabled ASUS LSI SCSI User's Manual...

Page 8: The Scsi Bios Utility

If the utility is available, the following message also appears on your monitor: Press Ctrl-C to start ASUS Configuration Utility... This message remains on your screen for about five seconds, giving you time to start the utility. If you decide to press "Ctrl-C," the message changes to: Please wait, invoking ASUS Configuration Utility...

Page 9

Adapter Boot Order The adapter boot order allows you to set the order in which host adapters will boot when you have more than one ASUS integrated SCSI in your system. When this option is selected, the Boot Order menu appears: To change an adapter's boot order, select

it and press Enter.

Page 10 Go into the Configuration Utility to change settings. Parity – The PCI to SCSI host adapters always generate parity, but some older SCSI devices do not. Therefore, you are offered the option of disabling parity checking. ASUS LSI SCSI User's Manual...

Page 11 SCSI Plug and Play Mapping is the default value. To support interchange with noncompatible systems, there is another option that can be selected by choos- ing CHS Mapping and then cursoring to "Alternate CHS Mapping". ASUS LSI SCSI User's Manual...

Page 12 This option tells the integrated SCSI whether or not to allow a device to disconnect. Some devices run faster with disconnects enabled (mostly newer devices), while some run faster with disconnects disabled (mostly older devices). ASUS LSI SCSI User's Manual...

Page 13 Note that all user customized options will be lost upon sav- ing after restoring default setup. Exit this menu – This option allows you to leave the current menu screen and return to the previous screen. ASUS LSI SCSI User's Manual...

Page 14: Exiting The Scsi Bios Utility

Return to the Main Menu and exit by using the Quit option. IMPORTANT: If you reboot the system without properly exiting the util- ity, some changes may not take effect. ASUS LSI SCSI User's Manual...

Page 15: Glossary Of Terms And Abbreviations

CPU - Central Processing Unit. The "brain" of the computer that performs the actual computations. The term Micro Processor Unit (MPU) is also used. DMA - Direct Memory Access. A method of moving data from a storage de- vice directly to RAM, without using the CPU's resources. ASUS LSI SCSI User's Manual...

Page 16 Integrated SCSI - A circuit board or integrated circuit that provides a SCSI bus connection to the computer system. Internal SCSI Device - A SCSI device installed inside the computer cabinet. These devices are connected in a continuous chain using an unshielded ribbon cable. ASUS LSI SCSI User's Manual...

Page 17 Operating System - A program that organizes the internal activities of the computer and its peripheral devices. An operating system performs basic tasks such as moving data to and from devices, and managing information in memory. It also provides the user interface. ASUS LSI SCSI User's Manual...

Page 18 CPU. Information can be written to and read from RAM. The contents of RAM are lost when the computer is turned off. RISC Core - ASUS SCSI chips contain a RISC (Reduced Instruction Set Com- puter) processor, programmed through microcode scripts.

Page 19 Wide SCSI). The integrated SCSI usually gets ID 7 giving it priority to control the bus. SDMS - SCSI Device Management System. An ASUS software product that manages SCSI system I/O. STA - SCSI Trade Association. A group of companies that cooperate to pro- mote SCSI parallel interface technology as a viable mainstream I/O intercon- nect for commercial computing.

Page 20 40 Mbytes/s. Wide Ultra2 SCSI - The STA term for SCSI bus width 16 bits, SCSI bus speed maximum data rate 80 Mbytes/s. Word A two byte (or 16-bit) unit of information. ASUS LSI SCSI User's Manual...

This manual is also suitable for:

Lsi 1010-33Lsi 1010-66