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User manual FUJITSU SIEMENS SCENIC PRO C6/D6/M6
User guide FUJITSU SIEMENS SCENIC PRO C6/D6/M6
Operating instructions FUJITSU SIEMENS SCENIC PRO C6/D6/M6
Instructions for use FUJITSU SIEMENS SCENIC PRO C6/D6/M6
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System board D983

Technical Manual



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Manual abstract:

... any technical problem or other question you need clarified? @@@@anything you want to tell us about this manual? Please send us your comments quoting the order number of the manual. @@@@This manual has been printed on recycled paper. Ce manuel est imprimé sur du papier recyclé. Este manual ha sido impreso sobre papel reciclado. Questo manuale è stato stampato su carta da riciclaggio.

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Introduction Important notes System board D983 Settings in BIOS setup Settings with switch block Add-on modules Technical Manual Error messages Index November 1998 edition Creative is a registered trademark, Sound Blaster 16 and VIBRA 16C are trademarks of Technology Ltd.

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69 A26361-D983-Z120-7-7619 Introduction This description applies for the system board D983 with PCI bus (Peripheral Component Interconnect). You may find further information in the reference manual "BIOS Setup". Notational conventions The meanings of the symbols and fonts used in this manual are as follows: Failure to do so may endanger your health, the operational integrity and electrical safety of your PC, or the security of your data. This symbol is followed by supplementary information, remarks and tips. ! i Ê Texts which follow this symbol describe activities that must be performed.

This symbol means that you must enter a blank space at this point. Ú This symbol means that you must press the Enter key. Texts in this typeface are screen outputs from the PC. Texts in this bold typeface are the entries you make via the keyboard. Texts in italics indicate commands or menu item.

*"Quotation marks" indicate names of chapters and terms that are being emphasized. È A26361-D983-Z120-7-7619 1 Introduction Features Features · 64-bit microprocessor Pentium Pro with 16 Kbytes internal cache (8 Kbytes data cache, 8 Kbytes code cache) and 256 Kbyte or 512 Kbyte internal Second-Level Cache or OverDrive-Processor for Pentium Memory configuration on system board: 8 to 512 Mbytes (FPM or EDO) Error recognition via ECC 256 Kbytes Flash BIOS PCI bus IDE hard disk controller connected to PCI bus for up to four IDE drives (e.g. IDE hard disk drives, ATAPI CD ROM drive) Real-time clock/calendar with integrated battery backup Floppy disk controller (up to 2.88 Mbytes format) Bus interface for platter Connector for remote-ave a tolerance range of ± 0.3 kHz. *** not graphics processor Cirrus Logic CL-GD5446 The values marked are only available with a 2-Mbytes video memory. 6 A26361-D983-Z120-7-7619 Resource table Introduction Resource table Assigned IRQ Keyboard Serial port COM2 / IrDA Serial port COM1 / Chip card reader Floppy disk drive controller Parallel port LPT1 RTC Audio controller IRQ1 IRQ3 IRQ4 IRQ6 IRQ7 IRQ8 IRQ5, IRQ7, IRQ9, IRQ10 Joystick: Base address: 0200-0207 0220-022F 0240-024F 0260-026F 0280-028F 0300-0301 0330-0331 0338-038B IRQ11 IRQ12 IRQ13 IRQ14 IRQ15 DMA1, DMA3, DMA5, DMA7 IRQ5, IRQ7 0278, 0378 02F8, 03F8 02E8, 03E8 03F8, 02F8 03E8, 02E8 DMA2 DMA1, DMA2, DMA3 Possible IRQ Possible Address Possible DMA MPU 401: Adlib: USB controller Mouse controller Numeric processor IDE controller 1 IDE controller 2 „Assigned IRQ" = interrupts assigned as shipped „Possible IRQ" = these interrupts can be used for your particular application „Possible address" = this address can be used for your particular application „Possible DMA" = this DMA can be used for your particular application i Please note that a resource cannot be used by two applications at the same time. A26361-D983-Z120-7-7619 7 Important Notes ! Be sure to read this page carefully and note the information before you open the PC. Please note the information provided in the chapter "Safety" in the Operating Manual of the PC.*



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Incorrect replacement of the lithium battery may lead to a risk of explosion. It is therefore essential to observe the instructions in the section "Add-on modules" - "Replacing the lithium battery" The lithium battery must be replaced with an identical battery or a battery type recommended by the manufacturer (CR2032). Do not throw lithium batteries into the trashcan. The lithium battery must be disposed of in accordance with local regulations concerning special waste. ADVARSEL ! ! ! Lithiumbatteri - Eksplosjonsfare ved feilagtig håndtering. Udsiftingning må kun ske med batteri af samme fabrikat og type. Lever det brugte batteri tilbage til leverandøren. ADVARSEL Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

WARNING Eksplosjonsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkarenfabrikanten. Kassera använt batteri enligt fabrikantens instruktion. VAROITUS Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan suosittellemaan tyyppiin.

Hävittä käytetty paristo valmistajan ohjeiden mukaisesti. A26361-D983-Z120-7-7619 9 Important Notes This board complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility". Conformity was tested in the typical configuration of a Personal Computer. When installing the board, observe the specific installation notes in the Operating Manual or Technical Manual for the appropriate device. Connecting cables for peripherals must be adequately insulated to avoid interference.

! Modules can become very hot during operation. Make sure you do not touch modules when adding components to the system board. There is a danger of burns! Notes on installing and removing boards Boards with electrostatic sensitive devices (ESD) may be identified by labels. When you handle boards fitted with ESDs, you must observe the following points under all circumstances: · You must always discharge yourself (e.g. by touching a grounded object) before working. · The equipment and tools you use must be free of static charges. · Pull out the power plug before inserting or pulling out boards containing ESDs. · Always hold boards with ESDs by their edges. · Never touch pins or conductors on boards fitted with ESDs.

10 A26361-D983-Z120-7-7619 Settings in BIOS Setup The BIOS Setup allows you to set your hardware configuration and system functions. In addition, the BIOS Setup displays technical information on the PC's configuration. When it is supplied, the device is set to factory default settings which you can alter in the BIOS Setup menus. Any changes you make take effect as soon as you save the settings and quit the BIOS Setup. The Operating Manual describes how to call the BIOS Setup and change menu entries. You can select the following settings in the BIOS Setup: Main - system functions Advanced - advanced system configuration Security - security features Power - power management features BIOSFaX - quick start functions Exit - save and quit i The various menus are described below with all setting options. Since the setting options depend on your PC's hardware configuration, some of them may not be offered in the BIOS Setup.

A26361-D983-Z120-7-7619 11 Settings in BIOS Setup Main - System settings Main menu - System settings In the Main menu you can set up the following: · Time (in the field marked System Time) · Date (in the field marked System Date) · Floppy disk drive (in the field marked Diskette A or Diskette B) · Hard disk drive (in the submenu of Hard Disk) · Display device (in the field marked Video Display) · System boot (in the submenu of Boot Options) Main Phoenix BIOS Setup Advanced Security [07:42:19] [08/11/1995] [1.4M] [None] 1 Gbyte None None None Power BIOSFaX Exit System Time: System Date: Diskette A: Diskette B: Ê Ê Ê Ê Hard Hard Hard Hard Disk Disk Disk Disk 1: 2: 3: 4: Item Specific Help ----- Ê Boot Options Video Display: Base Memory: Extended Memory: F1 Help ESC Exit [EGA/VGA] 640K 7M -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Select Item Select Menu Example for Main menu System Time / System The System Time field and the System Date field show the time and date respectively according to the PC. The time is shown in the format hh:mm:ss (hours:minutes:seconds) and the date is shown in the format mm/dd/yyyy (month/day/year).

! If the settings in the System Time and System Date fields are frequently wrong when you power up the computer, the lithium battery is dead. Change the battery as described in „Add-on modules" - Replacing the lithium battery". 12 A26361-D983-Z120-7-7619 Main - System settings Settings in BIOS Setup Diskette A / Diskette B These two fields are used to specify the type of floppy disk drive installed. 360K, 720K, 1.2M, 1.

4M, 2.8M None The entry depends on the floppy disk drive installed. (Default entry Diskette A : 1.4M). A floppy disk drive is not installed. (Default entry for Diskette B:). Hard Disk 1 to Hard Disk 4 call the submenu to make corresponding settings of the IDE hard disk drive. You should change the default settings only if you are connecting an additional IDE drive to one of the two IDE connectors. The maximum transfer rate of two IDE drives connected to the same connector is determined by the slowest one. Fast hard disks should therefore be connected to the first IDE connector and identified as Hard Disk 1 or Hard Disk 2. Slower hard disks or other IDE drives (e.g. CD ROM drives) should be connected to the second IDE connector and identified as Hard Disk 3 or Hard Disk 4. i The following description of the setting options for Hard Disk 1 also applies to Hard Disk 2, Hard Disk 3 and Hard Disk 4. The default settings depend on the installed drive.

A26361-D983-Z120-7-7619 13 Settings in BIOS Setup Main - System settings Phoenix BIOS Setup Main Hard Disk 1: Autotype Hard Disk: Type: Cylinders: Heads: Sectors/Track: Write Precomp: Transfer Mode: LBA Translation: PIO Mode: 32 Bit I/O: F1 Help ESC Exit 1 Gbyte [Press Enter] [User] [1654] [16] [63] [None] [Standard] [Enabled] [Fast PIO 3] [Enabled] -/+ Enter Item Specific Help Select Item Select Menu Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for the submenu Hard Disk 1 ! Only if you have installed a new unrecorded IDE hard disk drive, you should mark the Autotype Hard Disk field. If you have set the hard disk parameters with Autotype Hard Disk, you can only reduce the values.



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If you have installed a new unrecorded IDE hard disk drive, you should mark the Autotype Hard Disk field and press Enter. This has the effect of setting the optimum values for the IDE hard disk drive. You can change these values if you set the Type field to User. 14 A26361-D983-Z120-7-7619 Main - System settings Settings in BIOS Setup Type - Hard Disk Type This field is used to specify the type of hard disk drive. None You cannot change the hard disk parameters (Cylinders, Heads, Sector/Track and Write Precomp). An IDE drive has not been installed. 1 to 39 The hard disk parameters (Cylinders, Heads, etc.) are preset.

Auto If the hard disk supports this mode, the setup menu reads the hard disk parameters from the disk itself. You do not need to select the parameters yourself. User You can enter the hard disk parameters (Cylinders, Heads etc.) yourself. If you have set the hard disk parameters with Autotype Hard Disk, you can only reduce the values.

Examples of user-defined entries (IDE drives): Hard disk capacity Hard disk parameter 850 Mbyte 1,2 Gbyte 1,6 Gbyte 2,1 Gbyte Cylinders 1654 2484 3148 4092 Heads 16 16 16 16 Sectors 63 63 63 63 Write Precomp None None None None CD If an ATAPI CD-ROM drive is installed, this entry enables you to boot from the CD-ROM drive. Cylinders, Heads, Sectors/Track, Write Precomp - hard disk parameter These hard disk parameters are set in accordance with the IDE hard disk drive. If you want to change the hard disk parameters manually, set the Type field to User. A26361-D983-Z120-7-7619 15 Settings in BIOS Setup Main - System settings Transfer Mode This field specifies the transfer mode for the IDE hard disk drive. Standard One block is transferred for each interrupt (default entry).

2 Sectors, 4 Sectors, 6 Sectors, 8 Sectors, 16 Sectors The set number of blocks (sectors) is transferred for each interrupt. LBA Translation - Addressing This field enables and disables the LBA (Logical Block Addressing) mode. LBA mode allows you to install and use hard disks with a capacity of more than 528 Mbytes. If a hard disk supports LBA mode, you can use the full capacity of the IDE hard disk. The default entry depends on the installed IDE hard disk drive. Change the default entries only if you are installing another hard disk drive. ! Enabled You may only use IDE drives in the LBA mode selected when they were set up. In other words, if you set up a hard disk with LBA mode disabled, you may only operate the hard disk with LBA mode disabled. If the hard disk supports LBA and it has a capacity of more than 528 Mbytes, the BIOS translates the hard disk parameters, allowing the disk's full capacity to be used. If the hard disk does not support LBA, its parameters are not translated.

The BIOS uses the hard disk parameters and supports a maximum capacity of 528 Mbytes. Disabled PIO Mode The PIO (Programmed Input Output) Mode defines the transfer rate of the IDE hard disk drive. Standard 0,8 Mbytes/s to 2 Mbytes/s (default entry) Fast PIO 1 2 Mbytes/s to 4 Mbytes/s Fast PIO 2 4 Mbytes/s to 5 Mbytes/s Fast PIO 3 5 Mbytes/s to 10 Mbytes/s Fast PIO 4 more than 10 Mbytes/s 32 Bit I/O - Bus width for data transfer This field specifies the width of data transmission between the processor and the IDE controller. Enabled The data transfer is 32 bits in width at the PCI bus (default entry).. This enhances performance. Disabled The data transfer is 16 bits in width. 16 A26361-D983-Z120-7-7619 Main - System settings Settings in BIOS Setup Boot Options calls the submenu in which you can select the settings for system startup of the PC. Phoenix BIOS Setup Main Boot Options POST Error Halt: Quick Boot: Quiet Boot: [Halt On All Errors] [Disabled] [Disabled] Item Specific Help Boot Sequence: 1. Diskette 2.

Hard Disk 3. ATAPI CD ROM F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for submenu Boot Options POST Error Halt - Aborting system startup defines whether the system startup is to be aborted and the system halted when an error is detected. Halt On All Errors If the self-test detects an error, system startup is aborted after the self-test, and the system is halted (default entry). No Halt On Any Errors The system startup is not aborted. The error is ignored as far as possible.

The error is ignored as far as possible. Quick Boot can reduce the extent of the self-test and thus accelerate the system startup. Enabled When the PC is switched on, the quick self-test is carried out, in which the floppy disk drives are not checked. Disabled When the PC is switched on, the complete PC configuration is tested (default entry). Quiet Boot Instead of a start information a logo is displayed on the screen.

Enabled The logo is displayed. A switch to the start information is made if you press the [ESC] key or if errors occur. Disabled The start information is displayed on the screen (default entry). A26361-D983-Z120-7-7619 17 Settings in BIOS Setup Main - System settings Boot Sequence defines the sequence in which the system BIOS searches the drives for system files to start the operating system. If you wish to change this sequence, place the cursor on the entry for the drive you to which wish to move forward ([+] key) or back ([-] [+] [-] key). Default entry: 1. Diskette 2. Hard Disk 3. ATAPI CD ROM Video Display This field is used to specify the type of monitor connected. EGA/VGA, Color 80, Monochrome Default entry: EGA/VGA Base Memory This field indicates the size of the available base memory below 1 Mbyte.

Extended Memory This field indicates the size of the memory above 1 Mbyte. 18 A26361-D983-Z120-7-7619 Advanced - System settings Settings in BIOS Setup Advanced menu - Making advanced system settings ! Change the default settings only for special applications. Incorrect settings can cause malfunctions. You can make the following system settings in the Advanced menu: · Internal cache and second-level cache (in the Cache Memory submenu) · Copy BIOS sections to the RAM (in the Shadow Memory submenu) · Ports and controllers (in the Peripheral Configuration submenu) · PCI functionality (in the PCI Configuration submenu) · Data access to hard disk (in the Advanced System Configuration submenu) · Plug&Play functionality (in the Plug and Play O/S field) · Configuration data (in the Reset Configuration Data field) · Hard disk access (in the Large Disk Access Mode field) Phoenix BIOS Setup Main Advanced Security Power BIOSFaX Exit Warning! Setting items on this menu to incorrect values may cause your system to malfunction. Ê Ê Ê Ê Ê Cache Memory Shadow Memory Peripheral Configuration PCI Configuration Advanced System Configuration Plug & Play O/S: Reset Configuration Data: Large Disk Access Mode: [Yes] [No] [DOS] Item Specific Help ----- F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for the Advanced menu A26361-D983-Z120-7-7619 19 Settings in BIOS Setup Advanced - System settings Cache - Cache Memory calls the submenu in which you can make the settings for the internal cache (in the processor) and the second-level cache (on the system board).



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Phoenix BIOS Setup Advanced Cache Memory Cache: [Enabled] [Write Protect] [Write Protect] [Write Back] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Item Specific Help Cache System BIOS Area: Cache Video BIOS Area: Cache DRAM Memory Area: Cache Memory Regions: C800 - CBFF: CC00 - CFFF: D000 - D3FF: D400 - D7FF: D800 - DBFF: DC00 - DFFF: F1 Help ESC Exit Select Item Select Menu Example for submenu Cache Memory Cache This field switches the cache on and off. The cache is a buffer to which parts of the main memory and BIOS can be temporarily copied. The PC's performance is higher when the cache is switched on. You must disable the cache: · if the access time is too short for older applications · if you are installing OS/2 Warp. Enabled Disabled Cache is used.

Cache is disabled. All cache-related settings are then without effect. 20 A26361-D983-Z120-7-7619 Advanced - System settings Settings in BIOS Setup Cache System BIOS Area / Cache Video BIOS Area Requirement: The Cache field must be set to Enabled. Cache System BIOS Area and Cache Video BIOS Area lets you specify the BIOS that should be mapped to the cache. Mapping the BIOS to the cache increases system performance.

Write Protect The specified BIOS is mapped to the cache (default entry). Disabled The specified BIOS is not mapped to the cache. Cache DRAM Memory Area Prerequisite: The Cache field must contain Enabled. Parts of the main memory can be mapped in the cache using Cache DRAM Memory Area. If the contents of the memory are in the cache, the device's performance is enhanced.

Write Through The contents of the memory are simultaneously mapped in the cache and written in the main memory. The main memory and the cache contain the same information. Write Back The contents of the memory are mapped in the cache and written in the main memory only as required. The main memory and the cache do not contain the same information. The Write Back setting provides the best performance (default entry). Disabled The contents of the memory are not mapped in the cache . Cache Memory Regions Requirement: The Cache field must be set to Enabled. Cache Memory Regions lets you specify the BIOS ROM areas that should be mapped to the cache. Mapping the BIOS ROM areas to the cache increases system performance. Enabled The relevant ROM area is mapped to the cache.

Disabled The relevant ROM area is not mapped to the cache (default entry). ! If your ISA board uses a dual ported RAM in the associated ROM area, set the entry to Disabled. A26361-D983-Z120-7-7619 21 Settings in BIOS Setup Advanced - System settings Shadow Memory calls the submenu in which you can specify which parts of the ROM (Read Only Memory) are to be copied to the faster RAM (Random Access Memory) at system startup. Phoenix BIOS Setup Advanced Shadow Memory System Shadow: Video Shadow: Shadow C800 CC00 D000 D400 D800 DC00 Memory Regions: - CBFF: - CFFF: - D3FF: - D7FF: - DBFF: - DFFF: Enabled [Enabled] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] Item Specific Help F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for submenu Shadow Memory System Shadow This field is always Enabled, because the System BIOS is automatically copied to the faster RAM. Video Shadow This field allows you to copy the video BIOS to fast RAM. Copying the video BIOS to fast RAM increases system performance. Enabled The video BIOS is copied to fast RAM (default entry).

Disabled The video BIOS is not copied to fast RAM. This setting is not effective with an external monitor controller connected to the PCI bus. 22 A26361-D983-Z120-7-7619 Advanced - System settings Settings in BIOS Setup Shadow Memory Regions Shadow Memory Regions allows you to copy ROM areas to fast RAM.

Copying ROM areas to fast RAM increases system performance. Enabled The ROM area is copied to fast RAM. Disabled The ROM area is not copied to fast RAM (default entry). ! If your ISA board uses a dual ported RAM in the associated ROM area, set the entry to Disabled. Peripheral Configuration calls the submenu in which you can set the ports and controllers.

Phoenix BIOS Setup Advanced Peripheral Configuration Serial 1: Serial 2: Serial 2 Mode: Parallel: Parallel Mode: Diskette Controller: Hard Disk Controller: Secondary] Mouse Controller: Audio Controller: USB Controller: [Auto] [Auto] [Standard] [Auto] [Printer] [Enabled] [Primary And [Enabled] [Enabled] [Disabled] Item Specific Help F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for submenu Peripheral Configuration A26361-D983-Z120-7-7619 23 Settings in BIOS Setup Advanced - System settings Serial 1 / Serial 2 This field selects the address and the interrupt used to access the relevant serial port. 3F8h, IRQ4, 2F8h, IRQ3, 3E8h, IRQ4, 2E8h, IRQ3, Auto Disabled The serial port is set to the shown address and interrupt. The serial port is automatically set to the next available combination (address, interrupt) (Default entry). The serial port is disabled. Serial 2 Mode This field defines whether the second serial port is used as the standard port or as the infrared interface.

If you wish to use infrared data transfer, an infrared interface with the associated hardware must be incorporated in the device. Standard The port operates as a serial port (default entry). IRDA (Infra-Red Data Association) The serial port permits infrared data transfer up to 115 kbit/s. External serial port 2 does not function. Disabled The serial port is disabled. Parallel This field selects the address and the interrupt used to access the parallel port. 378h, IRQ7, 278h, IRQ5, 3BCh, IRQ7 Auto Disabled The parallel port is set to the shown address and interrupt. The parallel port is automatically set to the next available combination (address, interrupt) (Default entry). The parallel port is disabled. 24 A26361-D983-Z120-7-7619 Advanced - System settings Settings in BIOS Setup Parallel Mode This field is used to specify whether the parallel port is to be used as a bidirectional input/output port or just as an output port.

EPP and ECP transfer modes allow faster transfer rates of 2 and 2.4 Mbytes/s. These modes will only work with peripheral devices which support them. In addition, the field Parallel must be set to 378h or 278h. Printer The port functions as an output port only (default entry). Bidirection Data can be transferred in both directions across the port. EPP Fast transfer mode (up to 2 Mbytes/s), can output and receive data. The mode requires a peripheral device which supports the EPP (Enhanced Parallel Port) transfer mode. ECP Fast transfer mode (up to 2,4 Mbytes/s), can output and receive data.



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The mode requires a peripheral device which supports the ECP (Enhanced Capability Port) transfer mode.

Diskette Controller This field is used to enable and disable the built-in floppy disk controller on the system board. Enabled The floppy disk controller is enabled - IRQ 6 is used. (default entry). Disabled The floppy disk controller is disabled - IRQ 6 is free. A26361-D983-Z120-7-7619 25 Settings in BIOS Setup Advanced - System settings Hard Disk Controller This field allows you to enable and disable the built-in IDE hard disk controller.

The associated interrupts (IRQ 14 for the first connector, IRQ 15 for the second connector) will only be available if no IDE hard disk drive is physically connected. Primary The first IDE hard disk controller is enabled (default entry). Two IDE drives (preferably high-speed hard disks) can be attached to the first (primary) connector. IRQ14 is occupied. Primary And Secondary Disabled Primary and secondary IDE drive controllers are activated (default entry).

Up to four IDE drives can be connected. Low-speed drives are preferred for the second (secondary) connector (e.g. CDROM). IRQ14 and IRQ15 are occupied. The two IDE hard disk controller are disabled. Mouse Controller This field is used to enable and disable the built-in mouse controller on the system board. Enabled The mouse controller is enabled (default entry)- IRQ 12 is used. . Disabled The mouse controller is disabled - IRQ 12 is free.

@@@Disabled The audio controller is disabled. @@@@With multifunctional PCI boards, all PCI interrupts can be used. The controllers on the system board do not need any PCI interrupts. @@@@controller) or an ISA board. @@@@n stands for the number of the PCI slot.

@@Yes The value predefined by the PCI module is accepted. @@No The value predefined by the PCI module is ignored. @@@@n stands for the number of the PCI slot. @@Enabled The ISA memory area is inserted. Disabled The ISA memory area is not inserted (default entry).

@@Enabled Parity checking is performed (default entry). Disabled Parity checking is not performed. @@Enabled PCI Burst Write Combining is enabled (default entry). Disabled PCI Burst Write Combining is disabled. ECC Control - Error correction for main memory permits data error recognition and correction using the appropriately equipped memory modules.

Enabled Error Correction Code (ECC) is active if all memory modules support ECC (default entry). Disabled Error Correction Code (ECC) is disabled. Feature Connector Enables or disables the feature connector on the system board. Enabled The feature connector is enabled. Disabled The feature connector is disabled (default entry).

30 A26361-D983-Z120-7-7619 Advanced - System settings Settings in BIOS Setup FAN Control controls the speed of the processor fan. Enabled Speed is controlled. Disabled Maximum speed (default entry). ! Do not change the default! Plug & Play O/S defines the Plug&Play functionality. Plug&Play means that inserted modules are automatically recognized and installed if they support Plug&Play. Yes The operating system takes over some of the Plug&Play functions (default entry). You should select this setting only if the operating system supports Plug&Play. No The BIOS takes over the complete Plug&Play functionality. Reset Configuration Data This field specifies whether the configuration data is reset and reinitialized when the PC is started. Yes When the PC is started the old configuration data is reset and the entry in this field is set to NO.

The new configuration data is determined by means of the Plug&Play functionality. The mounted modules and drives are then initialized with this data. No The Plug&Play functionality ascertains the current configuration data and uses it to initialize the installed modules and drives. The configuration data of non-Plug&Play components is not reset (default entry). Large Disk Access Mode specifies the type of hard disk access for large hard disks (more than 1024 cylinders, 16 heads). The default setting depends on the operating system used. DOS the operating system uses MS-DOS-compatible hard disk accesses. Other If the operating system uses hard disk accesses which are not MSDOS-compatible (e.g. Novell, SCO Unix).

A26361-D983-Z120-7-7619 31 Settings in BIOS Setup Security - Security functions Menu Security - Setting up the security features You can set up the following security features in the Security menu: · Protecting BIOS Setup (in the field marked Set Setup Password) · Protecting BIOS of add-on modules (in the field marked Setup Password Lock) · Protecting system boots (in the field marked Set System Password) · Locking input devices (in the field marked System Password Mode) · Prevention of system boots from floppy disk (in the field marked System Load) · Displaying Setup prompt (in the field marked Setup Prompt) · Virus Warning (in the field marked Virus Warning) · Prevention of write operations to floppy disk (in the field marked Diskette Write) · Write protection of System BIOS (in the field marked Flash Write) Switching off by software(in the field marked Soft Power Off) On/Off functionality (in the submenu Power On/Off) Phoenix BIOS Setup Main Advanced Setup Password System Password Set Setup Password: Setup Password Lock: Set System Password: System Password Mode: System Load: Setup Prompt: Virus Warning: Diskette Write: Flash Write: Security Power BIOSFaX Exit Not Installed Not Installed [Press Enter] [Standard] [Press Enter] [System] [Standard] [Enabled] [Disabled] [Enabled] [Enabled] Item Specific Help

----- Ê Power On/Off F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for Security menu Setup Password / System Password These fields indicate whether the appropriate password is installed or not. 32 A26361-D983-Z120-7-7619 Security - Security functions Settings in BIOS Setup Set Setup Password This field enables you to install the setup password. The setup password prevents unauthorized callup of the BIOS setup. Mark the field and press the Return key. You can then enter and confirm the setup password (see also the PC Operating Manual).

Setup Password Lock specifies the effect of the Setup Password. The setting in this field takes effect as soon as a Setup Password has been installed. Standard The setup password prevents unauthorized callup of the BIOS setup (Default entry). Extended The Setup Password prevents unauthorized calls of the BIOS Setup and locks the keyboard when the PC is initialized. This prevents unauthorized access to settings for installed boards with a BIOS of their own.

Set System Password Requirement: The setup password is installed. This field enables you to install the system password.



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The system password prevents unauthorized access to your system. Mark the field and press the Return key. You can then enter and confirm the system password (see also the PC Operating Manual). A26361-D983-Z120-7-7619 33 Settings in BIOS Setup Security - Security functions System Password Mode specifies the effect of the system password. The setting in this field becomes effective as soon as a system password is installed. System When the PC is started, the system password enables the operating system to be booted. Keyboard When the PC is started, the operating system is booted and the keyboard and mouse are locked. The system password unlocks the keyboard and mouse.

System Load This field specifies the drive from which the operating system can be loaded. Standard The operating system can be loaded from floppy disk or hard disk (default entry). Diskette Lock The operating system can only be loaded from hard disk. Setup Prompt This field specifies whether the message Press F2 to enter SETUP is displayed when the PC is rebooted. Enabled The message Press F2 to enter SETUP is displayed when the system is started (default entry). Disabled The message is not displayed. 34 A26361-D983-Z120-7-7619 Security - Security functions Settings in BIOS Setup Virus Warning This field checks the boot sectors of the hard disk drive to see if any changes have been made since the previous system startup. If they have been changed and the reason for this is unknown, a program for finding computer viruses should be loaded. Enabled If the boot sector has been changed since the previous system startup (e.g. new operating system or virus attack), a warning is displayed. The warning stays on the screen until you acknowledge the changes with Confirm or deactivate the function (Disabled). Confirm This entry confirms a required change in a boot sector (e.g. new operating system).

Disabled The boot sectors are not checked (default entry). Diskette Write - Write protection for floppy disk drive This field is used to enable and disable floppy disk write protection. Enabled Floppy disks can be read, written or deleted, provided switch FDP is off (default entry). Disabled Floppy disks can only be read. Flash Write - Write protection for System BIOS This field can assign write protection to the System BIOS.

Enabled The System BIOS can be written to or deleted, provided switch FLP is off. BIOS update from floppy disk is possible (default entry). Disabled The System BIOS can neither be written to nor deleted. BIOS update from floppy disk is not possible. A26361-D983-Z120-7-7619 35 Settings in BIOS Setup Security - Security functions Power On/Off calls the submenu in which you can specify how the system can be powered on and off. These settings cause the to be switched on and off in the same way as using the on/off button on the system unit. The on/off button is always operable and cannot be disabled. Phoenix BIOS Setup Security Power On/Off Power Off Source Software: Keyboard: Power On Source Remote: Keyboard: Timer: Chipcard: Item Specific Help [Enabled] [Disabled] [Enabled] [Enabled] [Enabled] [Enabled] F1 Help ESC Exit Select Item Select Menu -/+ Change Values Enter Select Ê Sub-Menu F9 Setup Defaults F7 Previous Values Example for the submenu Power On/Off ! If you have assigned a system password in System Mode, the boot procedure is suspended during remote power on of the system (using Remote Power On or Timer On) as the system waits for entry of the system password. For this reason you should not assign a system password in System Mode if you want to use remote power on or select the setting Keyboard in System Password Mode. Power Off Source: Software specifies whether the system can be switched off with a program (DeskOff, SWOFF) or an operating system (Windows 95, Windows NT with Siemens HAL).

Enabled The system can be switched off with a program (default entry). Disabled The system cannot be switched off with a program. 36 A26361-D983-Z120-7-7619 Security - Security functions Settings in BIOS Setup Power Off Source: Keyboard specifies whether the system can be switched off using a special on/off button on the keyboard. Enabled The system can be switched off using a special on/off button on the keyboard. Disabled The system cannot be switched off using a special on/off button on the keyboard (default entry). Power On Source: Remote specifies whether the system can be powered on by an incoming message (e.g. modem). The signal can be supplied externally via serial interface 1 or internally via the remote on connector. Enabled The system can be switched on by an incoming message (default entry).

Disabled The system cannot be switched on by an incoming message. Power On Source: Keyboard specifies whether the system can be switched on using a special on/off button on the keyboard. Enabled The system can be switched on using a special on/off button on the keyboard (default entry). Disabled The system cannot be switched on using a special on/off button on the keyboard. A26361-D983-Z120-7-7619 37 Settings in BIOS Setup Security - Security functions Power On Source: Timer specifies whether the system can be timed to switch on at a particular time or after a particular period of time. The switch-on time cannot be specified in BIOS Setup. You require a suitable program for setting this switch-on time. Enabled The system can be switched on under timer control (default entry). Disabled The system cannot be switched on under timer control. Chipcard specifies whether the system can be switched on via the chipcard reader.

Enabled The system can be switched on via the chipcard reader (default entry). Disabled The system cannot be switched on via the chipcard reader. 38 A26361-D983-Z120-7-7619 Power - Energy saving functions Settings in BIOS Setup Power menu - Setting energy saving functions Programs for power management (e.g. POWER.EXE) can change the settings for the energy saving functions. You can set the following functions in the Power menu: · Enabling of APM interface (in the Advanced Power Management field) · Extent of energy saving functions (in the Power Management Mode field) · Standby mode (in the Standby Timeout field) · Suspend mode (in the Suspend Timeout field) · Energy saving functions (in the Hard Disk Timeout field) · Processor speed in standby mode (in the Standby CPU Speed field) · Save system status (in the Save To Disk field) · Defining system activities (in the Wakeup Event field) Phoenix BIOS Setup Main Advanced Security Power [Enabled] [Customize] [15 min] [10 min] [Medium] [10 min] [Disabled] BIOSFaX Exit APM Power Management Mode: Standby Timeout: Suspend Timeout: Standby CPU Speed: Hard Disk Timeout: Save To Disk: Ê Wakeup Event Item Specific Help ----- F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for menu Power APM - Enabling the APM Interface Determines whether an operation system can change the advanced power management settings in the system BIOS.



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Enabled The operating system has access to the power management settings and can change these if necessary (default entry). Disabled Changes can not be made to power management setting by an operating system. A26361-D983-Z120-7-7619 39 Settings in BIOS Setup Power - Energy saving functions Power Management Mode This field defines the extent of the energy saving functions.

Customize The functions set in the fields Standby Timeout, Hard Disk Timeout and Standby CPU Speed are effective in power management (default entry). (Default entry). Maximum, Medium or Minimum Power Savings These entries call predefined settings, thus determining the extent of energy saving. Disabled None of the energy saving functions is effective. Standby Timeout Requirement: the Power Management Mode must be set to Customize. This field defines the amount of time without system activity the system is to wait before switching to standby mode. In standby mode, the screen is dark and the processor clock is set in accordance with the entry in the Standby CPU Speed field. The next Wakeup Event terminates standby mode again. 2 min, 5 min, 10 min, 15 min, 30 min Default entry = 15 min. The system does not switch to standby mode.

Disabled Suspend Timeout Requirement: the Power Management Mode must be set to Customize. This field defines the amount of time without system activity the system is to wait before switching from standby mode to suspend mode. In suspend mode, the screen is dark and the processor is switched off. The next wakeup event terminates suspend mode again In a network environment Suspend Timeout must be disabled, otherwise data transfer will be aborted. 2 min, 5 min, 10 min, 15 min, 30 min Default entry = 15 min.

The system does not switch to suspend mode. Disabled Hard Disk Timeout Requirement: the Power Management Mode must be set to Customize. 40 A26361-D983-Z120-7-7619 Power - Energy saving functions Settings in BIOS Setup This field defines the amount of time without system activity before the motor of the hard disk drive is switched off. As soon as there is a hard disk access, the motor is switched back on. 2 min, 5 min, 10 min, 15 min Disabled Default entry = 10 min.

The PC does not switch off the hard disk drive. Standby CPU Speed Requirement: the Power Management Mode must be set to Customize. This field specifies the processor's clock speed in standby mode. The entries High, Medium and Low cause programs to run more slowly. In a network environment the processor's clock speed must be set to Max, otherwise data transfer will take place at reduced speed. Max Maximum clock speed High 1/4 of maximum clock speed Medium 1/8 of maximum clock speed (default entry) Low 1/16 of maximum clock speed Save To Disk Requirements: the Power Management Mode must be set to Customize, and there must be sufficient storage space on the hard disk. This field specifies whether the current system status (active programs, files, memory contents) is saved to file SAVETO.DSK when the PC switches to suspend mode. If the system status is saved, it is restored when you restart the PC; in other words, you can carry on working in the same application. Enabled The contents of the main memory, working memory, video memory and cache are saved to the hard disk.

Disabled The memory contents are not saved (default entry). A26361-D983-Z120-7-7619 41 Settings in BIOS Setup Power - Energy saving functions The setting Enabled only functions with the following PC components: · Controllers which are integrated onto the system board (e.g. graphics and audio controllers) · The following expansion cards, which are marked in the price list. No other expansion cards are currently supported. Do not set the entry in the Save to disk field to Enabled if you use cards other than those listed above. This applies particularly to expansion cards such as SCSI and graphics controllers. The above restrictions also apply if you activate the Quickstart (Save to disk) function under Windows by means of DeskEnergy. Before the Save to Disk function is starting you should close all documents located on network drives. ! Wakeup Event This field calls the submenu in which you can set the interrupts which are to be evaluated as system activities.

When one of these interrupts occurs, e. g. the active energy saving mode is terminated. In a network environment the Wakeup Event for the network controller interrupt must be disabled, otherwise the system will not switch to Standby Mode. Phoenix BIOS Setup Power Wakeup Event IRQ IRQ IRQ IRQ IRQ IRQ IRQ IRQ IRQ IRQ IRQ IRQ 1: 3: 4: 5: 6: 7: 8: 9: 10: 11: 12: 13: 14: 15: Item Specific Help Enabled [Disabled] [Disabled] [Disabled] [Enabled] [Disabled] [Disabled] [Disabled] [Disabled] [Disabled] [Enabled] Disabled [Enabled] [Enabled] Select Item Select Menu -/+ Change Values Enter Select Ê Sub-Menu F9 Setup Defaults F7 Previous Values F1 Help ESC Exit Example for the submenu Wakeup Event Enabled Disabled The associated interrupt is evaluated as a system activity.

The associated interrupt has no effect on the active energy saving mode. 42 A26361-D983-Z120-7-7619 BIOSFaX - quick start functions Settings in BIOS Setup BIOSFaX menu - quick start functions With the BIOSFaX menu you can select whether your system can be switched on via modem and whether an abbreviated system startup is executed. During this system startup any incoming call or fax is stored. Main Phoenix BIOS Setup Advanced Security Power BIOSFaX Exit Receive Mode: Ring Count: Fax Tone Count: Fax Modem Port: [Disabled] [Auto] [Auto] COM3 Item Specific Help ----- F1 Help ESC Exit Select Item Select Menu -/+ Change Values Enter Select Ê Sub-Menu F9 Setup Defaults F7 Previous Values Example for menu BIOSFaX Receive Mode Requirement: Remote on functionality (Remote on) must be enabled. This field determines the mode in which the modem is operated.

Depending on the setting, any incoming message will be recorded. Voice and Fax Any incoming call or fax will be recorded. Voice Only an incoming call will be recorded. Fax Only an incoming fax will be recorded. Disabled Modem functionality is not available when the system is switched off (default entry). Ring Count This field is used to define how often a ring tone should sound before the modem answers. Possible settings: 2, 3, 4, 5, 6, 7 or Auto (default entry). A26361-D983-Z120-7-7619 43 Settings in BIOS Setup BIOSFaX - quick start functions Fax Tone Count This field is used to define how often a fax tone should sound before the modem answers. Possible settings: 1, 2, 3, 4, 5, 6, 7 or Auto (default entry). Fax Modem Port This field shows which serial interface is used for the modem.

This setting is assigned by the system and cannot be changed. Possible displays: COM1, COM2, COM3 or COM4. 44 A26361-D983-Z120-7-7619 Exit - Exiting BIOS setup Settings in BIOS Setup Exit menu - Exiting BIOS Setup In the Exit menu, you can save your settings and exit BIOS Setup.



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Main Phoenix BIOS Setup Advanced Security Power BIOSFaX Exit Save Changes & Exit Discard Changes & Exit Get Default Values Load Previous Values Save Changes Item Specific Help ----- F1 Help ESC Exit Select Item Select Menu -/+ Enter Change Values Execute Command F9 Setup Defaults F7 Previous Values Example for menu Exit Save Changes & Exit saves the settings you have made and exits BIOS Setup. Discard Changes & Exit exits BIOS Setup without saving the new settings. Get Default Values reverts all settings to the default values. Load Previous Values sets the values which were in effect when BIOS Setup was called. Save Changes saves the settings you have made. A26361-D983-Z120-7-7619 45 Settings with switch block ON 12345678 OPEN/OFF Switch 1 = write protection for system BIOS Switch 2 = must be set to open Switch 3 = recovering System BIOS Switch 4 = write protection for floppy disk drive Switch 5, 6, 7 and 8 = clock speed Write protection for System BIOS - switch 1 (FLP) Switch 1 (FLP) enables and disables system BIOS updating. Before an update of the system BIOS can be carried out, write protection for the system BIOS must also be disabled in the BIOS Setup (in the Security menu, the Flash Write field must be set to Enabled).

If you wish to update your system BIOS, please consult our customer service. on System BIOS is write protected. off System BIOS can be overwritten (default setting). A26361-D983-Z120-7-7619 47 Settings with switch block Recovering System BIOS - switch 3 (RCV/RLF) Switch 3 (RCV/RLF) enables recovery of the old system BIOS after an attempt to update has failed. Write protection for the System BIOS must be disabled in the BIOS setup and before the System BIOS can be recovered (switch 1 = off).

To restore the old BIOS you need a Flash BIOS Diskette (call customer service). on The System BIOS executes from floppy drive A: and restores the System BIOS on the system board. off The System BIOS is started from the system module (default setting). Write protection for floppy disk drive - switch 4 (FDP) Switch 4 (FDP) is used to define whether floppy disks can be written or deleted in the floppy disk drive. To write and delete floppy disks, the write protection in BIOS setup must be disabled (in menu Security, the field Diskette Write must be set to Enabled).

on off The floppy disk drive is write protected. Read, write and delete floppy disks is possible (default setting). Clock speed - switch 5, 6, 7 and 8 (CF1/LF1, CF2/LF2, CF3/LF3) ! The switches may only be set as specified in the table below for the particular processor used. Switch 5 F66/FCG open on open on Switch 6 CF1/LF1 on on on on Switch 7 CF2/LF2 on on open open Switch 8 CF3/LF3 open open on Processor 150 MHz 166 MHz 180 MHz 200 MHz 48 A26361-D983-Z120-7-7619 Add-on modules 1 2 8 3 4 5 6 7 1= 2= 3= 4= Lithium battery Flash BIOS Processor with heat sink and fan Locations bank 0 for main memory 5= 6= 7= 8= Locations bank 1 for main memory Locations bank 2 for main memory Locations bank 3 for main memory Socket for video memory Upgrading main memory Four locations (bank 0 and bank 3) are available on the system board for installing memory modules. The board supports a maximum of 512 Mbytes. You may use memory modules of 8, 16, 32, 64 or 128 Mbytes. ! You may only use fast memory modules (access time = 70ns or less) or EDO memory modules (access time = 60ns). You may use only unbuffered, single-bank DIMM modules (3.3 V). To avoid damage to the system board only cache modules released by Siemens should be used.

The ECC error identification is only possible for ECC modules. i A26361-D983-Z120-7-7619 49 Add-on modules Upgrading main memory Installing memory modules Ê Ê Ê Ê Flip the holders to the right and left of the location outwards. Push the memory module into the relevant location. Press the lateral holders until they snap in place. Press the lateral holders firmly against the location. Removing a memory module Ê Ê Flip the holders to the right and left of the location outwards. Pull the memory module out of the location. 50 A26361-D983-Z120-7-7619 Replacing the processor Add-on modules Replacing the processor Removing the processor fan 1 2 2 3 Ê Ê Ê Remove the connector (1) of the processor fan. Press the retainers in the direction of the arrow (2) and (3) and tilt it upwards. Lift the processor fan off the processor.

Exchanging the processor 3 2 4 5 1 A Ê Ê Ê Push the lever in the direction of the arrow (1) and lift it as far as it will go (2). Remove the old processor from the socket (3). Insert the new processor in the socket so that the mark on the upper side of the processor matches the mark (A) on the socket (4). 51 A26361-D983-Z120-7-7619 Add-on modules Replacing the processor ! Ê The mark on the processor may be covered. In this case let yourself be guided by the marking in the rows of pins on the underside of the processor.

Push the lever back down (5) so that it snaps into place. Fitting the processor fan 4 7 2 5 6 6 Ê Ê Ê Ê Fit the processor fan on the new processor (4). Apply heat transfer compound evenly between the processor fan and the processor. Tilt the retainers downwards and press in the direction of the arrow (5) and (6) until it engages. Fit the connector (7) of the processor fan.

Set the switches 5, 6, 7 and 8 (F66, CF1, CF2 und CF3) depending on the processor which is installed. 52 A26361-D983-Z120-7-7619 Upgrading the video memory Add-on modules Upgrading the video memory If your system board is supplied with a video memory configuration of 1 Mbyte, you may enlarge the video memory up to 2 Mbytes. ! Information on which DRAM components you can use is available from your sales office or the customer service. Note the location of the DRAM chip when you plug it in! A Ê Insert the DRAM component in such a way in the socket for video memory that the mark on the upper side of the DRAM component (A) matches the position of the mark on the socket. A26361-D983-Z120-7-7619 53 Add-on modules Connecting an audio board Connecting an audio board If an audio board is installed at the front of your system or you install one at the front, you must attach the connecting line to the Game/Midi / Audio port on the system board. The Game/Midi / Audio port is a combined plug.. 2 1 Game-Port Audio Plug the connecting line onto the side marked with Audio. If an audio board is installed at the back of your system or you install one at the back, you must attach the connecting line to the Game/Midi / Audio port on the system board. The plug on the connecting line is exactly the same width as the Game/Midi / Audio port.



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Plug the connecting line into the Game/Midi / Audio port. 54 A26361-D983-Z120-7-7619 Replacing the lithium battery Add-on modules Replacing the lithium battery ! Incorrect replacement of the lithium battery may lead to a risk of explosion. The lithium battery must be replaced with an identical battery or a battery type recommended by the manufacturer (CR2032). Do not throw lithium batteries into the trashcan. The lithium battery must be disposed of in accordance with local regulations concerning special waste. Make sure that you insert the battery the right way round. The plus pole must be on the top! 1 + + 2 + + 3 Lift the contact (1) a few millimeters and remove the battery from its socket (2). Insert a new lithium battery of the same type in the socket (3). A26361-D983-Z120-7-7619 55 Error messages This chapter contains error messages generated by the system board. Diskette drive A error Diskette drive B error Check the entry for the diskette drive in the Main menu of the BIOS Setup.

Check the connections to the diskette drive. Extended RAM Failed at offset: nnnn Failing Bits: nnnn System RAM Failed at offset: nnnn Switch the device off and on again. If the message is still displayed, please contact your sales office or customer service. Fixed Disk 0 Failure Fixed Disk 1 Failure Fixed Disk Controller Failure Check the entries for the hard disk drive in the Main menu of the BIOS Setup. Check the hard disk drive's connections and jumpers. Incorrect Drive A - run Setup Incorrect Drive B - run Setup Correct the entry for the diskette drive in the Main menu of the BIOS Setup. Invalid NVRAM media type Switch the device off and on again. If the message is still displayed, please contact your sales office or customer service. Invalid System configuration Data In the Advanced menu of the BIOS-Setup set the entry for Reset Configuration Data to Yes. Keyboard controller error Connect another keyboard.

If the message is still displayed, please contact your sales office or customer service. Keyboard error Check that the keyboard is connected properly. Keyboard error nn Release the key on the keyboard (nn is the hexadecimal code for the key). Monitor type does not match CMOS - RUN SETUP Correct the entry for the monitor type in the Main menu of the BIOS Setup. A26361-D983-Z120-7-7619 57 Error messages Operating system not found Check the entries for the hard disk drive and the floppy disk drive in the Main menu of the BIOS Setup. Parity Check 1 Parity Check 2 Switch the device off and on again. If the message is still displayed, please contact your sales office or customer service. Previous boot incomplete - Default configuration used By pressing function key [F2] you can check and correct the settings in BIOS Setup. By pressing function key [F1] the device starts with incomplete system configuration. If the message is still displayed, please contact your sales office or customer service.

Real time clock failure Call the BIOS Setup and enter the correct time in the Main menu. If the message is still displayed, please contact your sales office or customer service. System battery is dead - Replace and run SETUP Replace the lithium battery on the system module and redo the settings in the BIOS Setup. System Cache Error - Cache disabled Switch the device off and on again. If the message is still displayed, please contact your sales office or customer service. System CMOS checksum bad - run SETUP Call the BIOS Setup and correct the previously made entries or set the default entries. System timer error Switch the device off and on again. If the message is still displayed, please contact your sales office or customer service. 58 A26361-D983-Z120-7-7619 Messages d'erreur Messages d'erreur Ce chapitre vous donne les messages d'erreur g n r s par le BIOS du syst me. Diskette drive A error Diskette drive B error V rifiez dans le menu Main du BIOS setup l'entr e correspondant au lecteur de disquettes.

V rifiez les connecteurs du lecteur de disquettes. Extended RAM Failed at offset: nnnn Failing Bits: nnnn System RAM Failed at offset: nnnn Red marrez votre appareil. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.A.V. Fixed Disk 0 Failure Fixed Disk 1 Failure Fixed Disk Controller Failure V rifiez dans le menu Main du BIOS setup l'entr e correspondant au lecteur de disque dur. V rifiez les connecteurs et les cavaliers du lecteur de disque dur. Incorrect Drive A - run Setup Incorrect Drive B - run Setup Entrez dans le menu Main du BIOS setup et param trez correctement l'entr e correspondant au lecteur de disquettes. Invalid NVRAM media type Red marrez votre appareil. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.

A.V. Invalid System configuration Data Pour l'entr e Reset Configuration Data du menu Advanced du BIOS setup, activez le param tre Yes. Keyboard controller error Connectez un autre clavier. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.A.V. Keyboard error Assurez-vous que le clavier est correctement connect . Keyboard error nn Lib rez la touche du clavier (nn est le code hexad cimal de cette touche). Monitor type does not match CMOS - RUN SETUP Entrez dans le menu Main du BIOS setup et param trez correctement l'entr e correspondant au type d' cran.

A26361-D983-Z120-7-7619 59 Messages d'erreur Operating system not found V rifiez dans le menu Main du BIOS setup les entr es correspondant au lecteur de disque dur et au lecteur de disquettes. Parity Check 1 Parity Check 2 Red marrez votre appareil. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.A.V. Previous boot incomplete - Default configuration used Appuyez la touche de fonction [F2] pour v rifier et corriger les valeurs dans BIOS Setup. Si vous appuyez la touche de fonction [F1] l'appareil d marre en configuration incompl te. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.A.V.

Real time clock failure Appelez le BIOS setup et entrez l'heure exacte dans le menu Main. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.A.V. System battery is dead - Replace and run SETUP Remplacez la batterie au lithium sur la carte syst me et proc dez   de nouveaux r glages dans le BIOS setup.

System Cache Error - Cache disabled Red marrez votre appareil. Si le message r appara t, adressez-vous   votre revendeur ou   notre S.



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