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User manual FUJITSU SIEMENS SCENIC P300 (I845GE)
User guide FUJITSU SIEMENS SCENIC P300 (I845GE)
Operating instructions FUJITSU SIEMENS SCENIC P300 (I845GE)
Instructions for use FUJITSU SIEMENS SCENIC P300 (I845GE)
Instruction manual FUJITSU SIEMENS SCENIC P300 (I845GE)

answers²

Technisches Handbuch / Technical Manual
Mainboard D1522 / D1521
Deutsch / English / Français



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Manual abstract:

@@any technical problems or other questions you need clarified? @@BIOS update) on our mainboards can be found on the Internet under: <http://www.fujitsu-siemens.com/mainboards> Dieses Handbuch wurde auf Recycling-Papier gedruckt. 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. Denna handbok är tryckt på recyclingpapper. Dit handboek werd op recycling-papier gedrukt. Herausgegeben von/Published by Fujitsu Siemens Computers GmbH Bestell-Nr.

/Order No.: A26361-D1522-Z120-1-6319 Printed in the Federal Republic of Germany AG 0103 01/03 A26361-D1522-Z120-1-6319 Deutsch English Mainboard D1522 / D1521 Français Technisches Handbuch Technical Manual Ausgabe Januar 2003 January 2003 edition Intel, Pentium und Celeron sind eingetragene Warenzeichen der Intel Corporation, USA. Microsoft, MS, MS-DOS und Windows sind eingetragene Warenzeichen der Microsoft Corporation. PS/2 und OS/2 Warp sind eingetragene Warenzeichen von International Business Machines, Inc. @@@@Zu widerhandlungen verpflichten zu Schadenersatz. @@Liefermöglichkeiten und technische Änderungen vorbehalten. Dieses Handbuch wurde erstellt von cognitas. @@Microsoft, MS, MS-DOS and Windows are registered trademarks of Microsoft Corporation. PS/2 and OS/2 Warp are registered trademarks of International Business Machines, Inc. All other trademarks referenced are trademarks or registered trademarks of their respective owners, whose protected rights are acknowledged. All rights, including rights of translation, reproduction by printing, copying or similar methods, even of parts are reserved. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved. Delivery subject to availability. Right of technical modification reserved. This manual was produced by cognitas. Gesellschaft für Technik-Dokumentation mbH www.cognitas.de Übersicht/Overview Mainboard D1522 / D1521 Interne Anschlüsse und Steckplätze / Internal connectors and slots 1= 2= 3= 4= 5= 6= 7= 8= 9= 10 = 11 = 12 = 13 = 14 = 15 = 16 = 17 = 18 = 19 = 20 = 21 = Stromversorgung / Power Supply Diskettenlaufwerk / Floppy disk drive IDE-Laufwerke 3/4 / IDE-drives 3/4 Stromversorgungsüberwachung / Power supply monitoring Bedienfeld / Front panel Schalter / Switch Steckbrücken / Jumper IDE-Laufwerke 1/2 / IDE-drives 1/2 Batterie / Battery Lüfter 2 / Fan 2 Power On LED II Gehäuseüberwachung / Intrusion LCD-Statusanzeige / LCD status indicator USB C/D USB E/F Serielle Schnittstelle 2 / serial interface 2 S/PDIF Anschluss / S/PDIF connector Audio-Bedienfeld / Audio front panel CD-Audio in Stromversorgung Prozessor / Processor power supply Lüfter 1 / Fan 1 21 DIMM 1 DIMM 2 CPU Pentium 4 1 2 3 4 20 5 6 7 8 9 AGP 19 18 17 PCI 1 PCI 2 PCI 3 10 16 14 13 11 15 12 Optionale Komponenten / Optional components Externe Anschlüsse / External connectors LAN AUDIO Bedienfeld / Front panel Power On/Off Message LED Sleep LED 1) Power On Sleep 1) HD-LED LED 1) 3) 1) Reset 1 2 SCSI LED Input 1) 2) Speaker 1) Cable is not included in the delivery scope. 2) The same interface 3) 2pin or 3pin connector possible PowerOn LED II 1) 3) 1 3 A26361-D1522-Z120-1-6319 Umschlag/Cover Contents Mainboard D1522 / D1521.

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...33 A26361-D1522-Z120-3-6319 Mainboard D1522 / D1521 Your mainboard is available in different configuration levels. Depending on the configuration chosen, some of the hardware components described may not be available on your mainboard. Further information Information on the BIOS Setup and additional descriptions of the drivers are contained: . . . in the readme files on your hard disk on the driver floppy disks included on the CD "Drivers & Utilities Collection" or "Drivers & Utilities" or "ServerStart". i The programme Acrobat Reader must be installed to be able to open the manuals. You may find the programme on the CD-ROM directory: utls/acrobat. For more details please read the according readme.txt files.

Notational conventions The meanings of the symbols and fonts used in this manual are as follows: ! i Ê Ë Û indicates information which is important for your health or for preventing physical damage. indicates additional information which is required to use the system properly. Text which follows this symbol describes activities that must be performed in the order shown. This symbol indicates that you must enter a blank space (press the Space Bar) at this point.

This symbol indicates that you must press the Enter key.

Text in this typeface indicates screen outputs. *Text in this bold typeface* indicates the entries you make via the keyboard. *Text in italics* indicates commands or menu items. "Quotation marks" indicate names of chapters or terms. A26361-D1522-Z120-3-6319 English - 1 Mainboard D1522 / D1521 Important notes

With the mainboard installed you must open the system to access the mainboard.

How to dismantle and reassemble the system is described in the operating manual accompanying the system. Connecting cables for peripherals must be adequately shielded to avoid interference. ! Observe the safety notes in the operating manual of your system. Incorrect replacement of the lithium battery may lead to a risk of explosion. It is therefore essential to observe the instructions in the "Add-on modules / Upgrading" - "Replacing lithium battery" section. Components can become very hot during operation. Ensure you do not touch components when making extensions to the mainboard. There is a danger of burns! The shipped version of this board complies with the requirements of the EEC directive 89/336/EEC "Electromagnetic compatibility".



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Compliance was tested in a typical PC configuration. When installing the board, refer to the specific installation information in the manual for the receiving device.

The warranty is invalidated if the system is damaged during the installation or replacement of expansions. Information on which expansions you can use is available from your sales outlet or the customer service centre. Information about boards To prevent damage to the mainboard, the components and conductors on it, please take great care when you insert or remove boards. Take great care to ensure that extension boards are slotted in straight, without damaging components or conductors on the mainboard, or any other components, for example EMI spring contacts. Remove the plug from the mains outlet so that system and mainboard are totally disconnected from 80 pixels with 16 colours. The tool is provided on the CD "Drivers & Utilities" or "Drivers & Utilities enhanced" or is available on the Internet at <http://www.fujitsu-siemens.com/mainboards>. DeskView / DeskViewOEM The network-capable manageability software DeskView/DeskViewOEM* mainly consists of three modules: · · · Recovery BIOS DeskInfo shows the most important device data of the PCs in a network (local and/or on an administrator PC). DeskAlert moniof the external ports are shown on page "Cover".

PS/2 keyboard port, purple PS/2 mouse port, green Serial interface, turquoise Parallel port/Printer, burgundy LAN LAN connector USB - Universal Serial Bus, black Audio output (Line out), light green Audio input (Line in), light blue Microphone jack (mono), pink VGA port, blue (monitor) LAN connector This mainboard is equipped with the 82562ET (D1521) or the 82562EM (D1522) LAN controller. Both LAN controller support transfer speeds of 10 Mbit/s and 100 Mbit/s. The LAN controller are equipped with a 3 KB transmission and receiving buffer (FIFO) and support WOL function through Magic Packet. It is also possible to boot a device without its own boot hard disk via LAN. Here bootix® LAN BootP or bootix® PXE are supported.

The LAN RJ45 connector has two LEDs (light emitting diodes). 1 = a connection exists (e.g. to a hub). 2 = Link Mode: the LAN connection is active. WOL mode: a Magic Packet™ is being received. 2 1 8 - English A26361-D1522-Z120-3-6319 Interfaces and connectors Graphics port - Supported screen resolutions Depending on the operating system used, the screen resolutions in the following table refer to the mainboard screen controller. If you are using an external screen controller, you will find details of supported screen resolutions in the operating manual or technical manual supplied with the controller. Screen resolution 640 x 480 800 x 600 1024 x 768 1280 x 1024 1600 x 1200 1920 x 1440 2048 x 1536 Refresh rate (Hz) 120 120 100 100 100 75 60 bpp 32 32 32 32 32 Colour 32 bit 32 bit 32 bit 32 bit 16 bit 16 bit 16 bit Internal ports and connectors The positions of the internal ports and connectors are shown on the Cover. Additional information on some ports is also provided here. Hard disk connection An ultra ATA/66 or ultra ATA/100 hard disk must be connected with a cable especially designed for the ultra ATA/66 or ultra ATA/100 mode. Ê Connect the end of the cable marked with blue to the mainboard. A26361-D1522-Z120-3-6319 English - 9 Interfaces and connectors Pin assignment of internal ports The pin assignment of some internal connections is shown in English in the following. i Some of the following connectors may be optional! Front panel Watch the poling of the LEDs. The positive pole of the connection cables is often indicated with a coloured wire.

Power On/Off Message LED Sleep LED 1) Power On Sleep 1) HD-LED LED 1) 3) 1) Reset 1 2 SCSI LED Input 1) 2) Speaker 1) Cable is not included in the delivery scope. 2) The same interface 3) 2pin or 3pin connector possible Connection Reset Sleep Power On/Off HD LED SCSI Activity Input Message LED Power On LED Speaker Sleep LED Note This connection is reserved for future use. Attention: Do not connect to the LED connections of an SCSI controller! This connection is intended for a cable with a 4-pin connector. An SCSI controller reports activity (low-active) via this cable. Indicates the system state APM or ACPI together with the Sleep LED (see chapter entitled "APM and ACPI system status, energy-saving modes"). 0,5 W at 8 Ohm Indicates the system state APM or ACPI together with the Power-On LED (see chapter entitled "APM and ACPI system status, energy-saving modes"). 10 - English A26361-D1522-Z120-3-6319 Interfaces and connectors Power On LED II 1 3 Pin 1 2 3 Note Power On LED (Anode) Power On LED (Anode) Power On LED (Cathode) Power supply ATX 1 11 Pin 1 2 3 4 5 6 7 8 9 10 Signal +3.3 V (P3V3P) +3.3 V (P3V3P) GND +5 V (VCC) GND +5 V (VCC) GND Powergood (high asserted) +5 V Auxiliary (VCC Aux) +12 V (P12VP) Pin 11 12 13 14 15 16 17 18 19 20 Signal +3.3 V (P3V3P) -12 V (P12VN) GND PS on (low asserted) GND GND GND -5 V (P5VN) +5 V (VCC) +5 V (VCC) 1 Power control (system monitoring) Pin 1 2 3 4 5 6 7 8 Signal AC Outlet (high asserted) PS FAN Control (PS FAN C max. 3 mA) Reserved PS FAN Sense SMB CLK SMB DATA VCC EEPROM (+3.3 V) GND A26361-D1522-Z120-3-6319 English - 11 Interfaces and connectors Fan 1 (system fan - supervised) Pin 1 2 3 1 Signal GND Controlled Fan voltage (0 V, +6 V ... +12 V, max. 1 A) or fix Fan voltage (+12 V, max. 1 A) Fan sense Fan 2 (system fan - supervised) Pin 1 2 3 Signal 1 GND Controlled Fan voltage (0 V, +6 V ... +12 V, max. 1 A) or fix Fan voltage (+12 V, max. 1 A) Fan sense LCD status indicator (for use with optional front panel) 2 1 Pin 1 3 5 7 9 11 13 Signal SMB CLK SMB DATA Key LAN Active Icon Harddisk Action Icon Message Icon Power Icon Pin 2 4 6 8 10 12 14 Signal GND GND RFU Reserved for Future Use LAN Link Icon BMC Alert Icon Sleep Icon P3V3P DUAL 12 - English A26361-D1522-Z120-3-6319 Interfaces and connectors USB C/D / E/F - dual channel (internal or external via special wire) 1 11 2 12 Pin 1 3 5 7 9 11 Signal Key VCC C Data negative C Data positive C GND Key Pin 2 4 6 8 10 12 Signal Chipcard reader on VCC D Data negative D Data positive D GND Not Connected Intrusion for case open detect for optional push-button (opener) 1 Pin 1 2 3 Signal GND Case open (low asserted) Intrusion switch present (low asserted) Audio S/PDIF (2-pin) 1 Pin 1 2 Signal GND SPDIF out A26361-D1522-Z120-3-6319 English - 13 Interfaces and connectors Audio S/PDIF (3-pin) 1 Pin 1 2 3 Signal GND SPDIF out GND Audio front panel 1 2 Pin 1 3 5 7 9 Signal Micro input Micro bias Right line output NC Left line output Pin 2 4 6 8 10 Signal Analog GND Analog VCC Right line return Key Left line return CD-ROM audio 1 Pin 1 2 3 4 Signal Left CD audio input CD GND CD GND Right CD audio input Processor power supply 3 1 Pin 1 3 Signal GND GND Pin 2 4 Signal +12 V +12 V 14 - English A26361-D1522-Z120-3-6319 Settings with switches and jumpers Settings with switches and jumpers Your mainboard is equipped with switches or jumpers.



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The positions of the switches or jumpers are shown on page "Cover". ON 1234 Switch 1 = Skipping system and BIOS Setup password Switch 2 = System BIOS recovery Switch 3 = must always be set to off Switch 4 = must always be set to off 1 2 Pinpair 1 inserted = Skipping system and BIOS Setup password Pinpair 2 inserted = System BIOS recovery Any other setting = State of supply; jumper has no function i The clock frequency of the processor is set automatically. Skipping system and BIOS Setup password - switch 1 / pinpair 1 Switch 1 enables skipping the system and BIOS Setup password. On Off System and BIOS Setup password are skipped when the device is switched on and may be changed. System and BIOS Setup password must be entered when the device is switched on. Recovering System BIOS - switch 2 / pinpair 2 Switch 2 enables recovery of the old system BIOS after an attempt to update has failed. To restore the old system BIOS you need a Flash BIOS Diskette (see "BIOS update" chapter). On Off The System BIOS executes from floppy drive A: and the inserted "Flash-BIOSDiskette" restores the System BIOS on the mainboard.

Normal operation (default setting). Reserved - switch 3 and switch 4 Switch 3 and 4 are reserved. A26361-D1522-Z120-3-6319 English - 15 Add-on modules / Upgrading Add-on modules / Upgrading ! Exit energy-saving mode, switch off the system and remove the power plug from the mains outlet, before carrying out any of the procedures described in this chapter! Even when you have switched off the device, parts (e.g. memory modules, AGP and PCI extension boards) are still supplied with power. Installing and removing processors Technical data Intel Pentium 4 with 400 or 533 MHz front side bus in the mPGA478 design. A current list of the processors supported by this mainboard is available on the Internet at: www.fujitsu-siemens.de/mainboards. Installing the processor with heat sink and fan Ê Remove the fan that there may be and the heat sink.

3 2 4 5 1 A Ê Ê Ê Pull 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 angled corner of the processor matches the coding on the socket (A) with regard to the position (4). i Ê The angled corner of the processor can also be at a different location than shown in the illustration. Push the lever back down until it clicks into place (5).

16 - English A26361-D1522-Z120-3-6319 Add-on modules / Upgrading Mounting heat sink Be sure to use heat conducting material between the processor and the heat sink. @@Otherwise you must apply a very thin layer of heat conducting paste. Heat conducting pads can only be used once. @@@@Otherwise the retaining clips of the heat sink will be damaged. @@@@At least one memory module must be installed.

@@Buffered memory modules are not supported. DDR-DIMM memory modules must meet the PC2100 or PC2700 specification. Installing a memory module

2 2 Ê Ê Ê Push the holders on each side of the memory compartment outwards. Insert the memory module into the location (1). At the same time flip the lateral holders upwards until the memory module snaps in place (2). 18 - English A26361-D1522-Z120-3-6319 Add-on modules / Upgrading Removing a memory module 1 1 Ê Ê Push the clips on the right and left of the compartment outward (1). Pull the memory module from the compartment (2). Upgrading AGP screen controllers Technical data: The AGP slot supports the modes 1x/2x/4x with 32 bits and 66 MHz. @@@@PCI IRQ Lines are permanently wired on the mainboard. @@@@Do not throw lithium batteries into the household waste.

@@Make sure that you insert the battery the right way round. @@Remove the battery (2). @@@@In addition, new BIOS functions can also be integrated. @@Where can I obtain BIOS updates? @@How does a BIOS update work? You have two ways of doing this: 1. @@Insert an empty floppy disk (1.44 MB). Run the update file (e.g. 1522103.EXE).

A bootable update floppy disk is created. Leave this floppy disk in the drive. Restart the PC. @@BIOS update under Windows with DeskFlash utility A BIOS update can also be carried out directly under Windows with the DeskFlash utility. DeskFlash is located on the "Drivers & Utilities" CD (from CD version 2001.

05 with DeskViewOEM V5.0). In the "Readme" file in the subfolder DeskFlash you will find the installation instructions for DeskFlash. Further information on DeskFlash is provided in the file "DeskView.PDF" and in the DeskViewOEM online help.

22 - English A26361-D1522-Z120-3-6319 Add-on modules / Upgrading BIOS Recovery - Recovering System BIOS i Ê Ê Ê Ê Ê All BIOS settings are reset to the default values. Open the casing as described in the operating manual. Set the switch for "Restore system BIOS" to ON or plug the corresponding jumper (see "Settings with switches and jumpers" chapter). Close the casing as described in the operating manual. Insert a BIOS update floppy disk and start the PC. Note the signals issued from the loudspeaker. You have successfully restored the BIOS if you hear the signal sequence "short-short- long- long- long" and the diskette access indicator is dark. This can take a few minutes. Open the casing as described in the operating manual. Set the switch for "Restore system BIOS" to OFF or remove the corresponding jumper (see "Settings with switches and jumpers" chapter).

Close the casing as described in the operating manual. Remove the floppy disk from the drive. Start the PC and invoke BIOS Setup. Select the menu item Reset Configuration in the menu Advanced and change the setting to Yes. Save the change and terminate BIOS Setup. Ê Ê Ê Ê Ê Ê Ê The BIOS recovery has now been completed. The system restarts. i Detailed information on the BIOS recovery is contained in the manual "BIOS Setup" ("Drivers & Utilities" CD).

Microcode Update What is a microcode update? As there are no drivers for processors, Intel offers the possibility from the P6 family (Pentium Pro) on to update the command set (microcode) of the processor. This enables minor errors to be corrected and the performance to be increased.

To guarantee the best possible performance and error-free operation, Intel recommends updating the microcode regularly. Intel refers to the use of the processor without regular microcode updates as operation outside the specifications. A26361-D1522-Z120-3-6319 English - 23 Add-on modules / Upgrading Safety for processor on Fujitsu Siemens Computers mainboards If the processor uses an old or incorrect microcode, error-free operation cannot be ensured.



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Fujitsu Siemens Computers has therefore implemented a function on its mainboards that interrupts the booting process if no suitable microcode is available for the installed processor. The output error message is Patch for installed CPU not loaded.

Please run the bios flash update diskette. This message appears until the microcode update has been carried out. If the computer is nevertheless operated without a microcode update, error-free operation is not ensured. When should a microcode update be carried out? A microcode update should be carried out in the following cases: · Following installation of a new processor · When a new microcode update is issued. In contrast to the BIOS update, only an updated version of the processor command set is stored.

The system BIOS remains unaffected by this. Microcode update under DOS with bootable microcode update floppy disk - brief description
Download the update file from our website to your PC. Insert an empty floppy disk (1.44 MB). Run the update file under DOS (e.g. 1495101.EXE). A bootable update floppy disk is created. Leave the floppy disk in the drive.

Restart the PC. @@@@Select DeskUpdate - Fully automatic installation. @@@@with new processors, can be independent of the BIOS version or the revision status of the mainboard used. The CPU and BIOS compatibility lists are available on the Internet at www.fujitsu-siemens.de/mainboards. Mainboard: Revision level The revision status of the mainboard exactly identifies which mainboard you have. It is indicated on a sticker on the edge of the mainboard: D1522-B10 GS 1 05618476 Example of revision status of the mainboard D1522-B10 GS 1 BIOS version The BIOS version can be displayed in the BIOS Setup. Press [F2] during booting to open the BIOS Setup. Press [F1].

The BIOS version is specified on the displayed information page under the entry BIOS Release. A26361-D1522-Z120-3-6319 English - 27 Error messages Error messages This chapter contains error messages generated by the mainboard. Available CPUs do not support the same bus frequency System halted! Memory type mixing detected Non Fujitsu Siemens Memory Module detected Warranty void There are more than 32 RDRAM devices in the system Check whether the system configuration has changed. If necessary, correct the settings. BIOS update for installed CPU failed This message appears if the microcode update required for the connected processor is not contained in the system BIOS.

Boot the system with the inserted Flash BIOS floppy disk. Abort the normal Flash BIOS update by answering the question about whether you want to perform the update with nÚ To carry out the Flash BIOS update for the processor, enter: flashbioË/p6 Ú Check date and time settings The system date and time are invalid. Set the current date and time in the Main menu of the BIOS Setup. CPU ID 0x failed Switch the server off and on again. If the message is still displayed, go into the BIOS setup and set the corresponding processor to Disabled in the Server - CPU Status menu; please contact your sales outlet or customer service centre.

CPU mismatch detected You have replaced the processor or changed the frequency setting. As a result, the characteristic data of the processor have changed. Confirm this change by running the BIOS Setup and exiting it again. 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. 28 - English A26361-D1522-Z120-3-6319 Error messages DMA test failed EISA CMOS not writable Extended RAM Failed at offset: nnnn Extended RAM Failed at address line: nnnn Failing Bits: nnnn Fail-Safe Timer NMI failed Multiple-bit ECC error occurred Memory decreased in size Memory size found by POST differed from EISA CMOS Single-bit ECC error occurred Software NMI failed System memory exceeds the CPU's caching limit System RAM Failed at offset: nnnn Shadow RAM Failed at offset: nnnn Switch the device off and on again.

@@Failure Fixed Disk 0 Failure Fixed Disk 1 Fixed Disk Controller Failure Check the entry for the hard disk drive in the Main menu and the entry for the IDE drive controller in the Advanced - Peripheral Configuration 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.

@@Invalid System Configuration Data In the Advanced menu of the BIOS Setup set the entry Reset Configuration Data to Yes. Invalid System Configuration Data - run configuration utility Press F1 to resume, F2 to Setup This error message may be displayed if the machine was switched off during system start-up.

Call BIOS Setup and switch to the Advanced menu. Select the menu item Reset Configuration Data and change the setting to Yes. Save the change and terminate BIOS Setup. Reboot the device. Keyboard controller error Connect another keyboard or another mouse. @@Keyboard error Check that the keyboard is connected properly. Keyboard error nn nn Stuck Key Release the key on the keyboard (nn is the hexadecimal code for the key).

A26361-D1522-Z120-3-6319 English - 29 Error messages Missing or invalid NVRAM token Switch the device off and on again.

@@Monitor type does not match CMOS - RUN SETUP Correct the entry for the monitor type in the Main menu of the BIOS Setup. On Board PCI VGA not configured for Bus Master In the BIOS Setup, in the Advanced menu, submenu PCI Configuration, set the Shared PCI Master Assignment entry to VGA. One or more RDRAM devices are not used One or more RDRAM devices have bad architecture/timing One or more RDRAM devices are disabled Contact your system administrator or contact our customer service centre. Operating system not found Check the entries for the hard disk drive and the floppy disk drive in the Main menu and the entries for Boot Sequence submenu of the BIOS Setup. Parity Check 1 Parity Check 2 Switch the device off and on again.

@@Previous boot incomplete - Default configuration used By pressing function key [F2] you can check and correct the settings in BIOS Setup.

@@@@@Service Processor not properly installed The server management controller has not been correctly installed. @@Storage Extension Group = xy Configuration error, x Storage Extensions(s) found, configured are y SE(s). Device List: k1, k2 ..

. The specified number of storage expansion units (SEs) in the BIOS Setup menu Server - Storage Extensions - Number of connected SE is incorrect.

@@Check whether you have assigned the same device ID twice. @@@@System CMOS checksum bad - - Default configuration used Call the BIOS Setup and correct the previously made entries or set the default entries. System Management Configuration changed or Problem occurred A system fan or system sensor has failed.



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Check the hardware operation. System timer error Switch the device off and on again. @@Uncorrectable ECC DRAM error DRAM Parity error Unknown PCI error Switch the device off and on again. @@Verify CPU frequency selection in Setup The frequency setting for the processor is invalid. Correct the BIOS Setup and the setting.

DOS error messages This chapter contains the error messages that occur while DOS is running. If a uncorrectable error occurs while DOS is running, then the following error text is output on the screen: Critical error logged to server management processor - system halted If the NMI button of the control panel is pressed, then the following error text is output on the screen: Frontpanel NMI activated - system halted A26361-D1522-Z120-3-6319 English - 31 Error messages SmartCard reader - error messages This chapter contains error messages generated by the SmartCard reader (chipcard reader). Boot access denied The Sicrypt SmartCard has no access rights to the system. Check your chipcard Either the Sicrypt SmartCard has been wrongly inserted, or it is not a PC-Lock Sicrypt card. Chipcard reader FAIL An error has occurred on the serial port to the SmartCard reader (chipcard reader). If this error occurs always or often, the connection between the SmartCard reader and the mainboard must be checked, or the SmartCard reader must be replaced. While the error is present, access to the system is blocked. Non authorized chipcard The Sicrypt SmartCard cannot be used on this PC. The Sicrypt SmartCard has been configured for a different PC. PC-Lock installation FAIL: An error has occurred during installation of PC Lock.

Do not switch off, but insert the "BIOS Flash diskette", and try the installation again. The chipcard is blocked. Enter the Admin PIN: You have exceeded the maximum number of failed attempts to enter the PIN. The Sicrypt SmartCard is blocked. Enter the administrator PIN to re-activate the Sicrypt SmartCard.

You must then enter a new User PIN to restart the system. 32 - English A26361-D1522-Z120-3-6319 Error messages Glossary The technical terms and abbreviations given below represent only a selection of the full list of common technical terms and abbreviations. Not all technical terms and abbreviations listed here are valid for the described mainboard. ACPI AC'97 AGP AMR AOL APM ATA BIOS BMC CAN CPU CNR C-RIMM DIMM ECC EEPROM Advanced Configuration and Power Management Interface Audio Codec '97 Accelerated Graphics Port Audio Modem Riser Alert On LAN Advanced Power Management Advanced Technology Attachment Basic Input Output System Baseboard management controller Controller Area Network Central Processing Unit Communication Network Riser Continuity Rambus Inline Memory Module Dual Inline Memory Module Error Correcting Code Electrical Erasable Programmable Read Only Memory Floppy disk controller First-In First-Out Front Side Bus Firmware Hub Graphics and Memory Controller Hub Graphics Performance Accelerator Inter Integrated Circuit Instantly Available Power Managed Desktop PC Design I/O Controller Hub Intelligent Drive Electronics Internet Protocol Security ISA LAN LSA MCH MMX P64H PCI PXE RAM RAMDAC RDRAM RIMM RTC SB SDRAM SGRAM Industrial Standard Architecture Local Area Network LAN Desk Service Agent Memory Controller Hub MultiMedia eXtension PCI64 Hub Peripheral Component Interconnect Preboot eXecution Environment Random Access Memory Random Access Memory Digital Analogue Converter Rambus Dynamic Random Access Memory Rambus Inline Memory Module Real Time Clock Soundblaster Synchronous Dynamic Random Access Memory Synchronous Graphic Random Access Memory Streaming Mode Instruction (Single Instruction Multiple Data) System Management Bus Super Video Graphic Adapter Universal Serial Bus Video Graphic Adapter Wake On LAN FDC FIFO FSB FWH GMCH GPA I2C IAPC ICH IDE IPSEC SIMD SMBus SVGA USB VGA WOL
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