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You can read the recommendations in the user guide, the technical guide or the installation guide for MAXDATA PLATINUM 500 I M6. You'll find the answers to all your questions on the MAXDATA PLATINUM 500 I M6 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual MAXDATA PLATINUM 500 I M6**  
**User guide MAXDATA PLATINUM 500 I M6**  
**Operating instructions MAXDATA PLATINUM 500 I M6**  
**Instructions for use MAXDATA PLATINUM 500 I M6**  
**Instruction manual MAXDATA PLATINUM 500 I M6**

**MAXDATA Server PLATINUM 500 I M6**

**System Manual**



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**Manual abstract:**

3. 4. 5. 6. 7. 8. 9. 10. 11. 12.  
13. 14. @2. 3. 4.

5. 6. 7. 8. @@@@In addition, do not expose the server to any temperatures over +30 °C or under +10 °C.

Make sure that the cables connecting the server to peripheral devices are not tight. Make sure that all power and connection cables are positioned so that they are not trip hazards. When you save data to your server's hard disks or to a floppy disk, they are stored as magnetic information on the media. Make sure that they are not damaged by magnetic or electromagnetic fields. Because the electronics in your computer can be damaged by jarring, no mechanical devices should be placed on the same surface as the server. This is especially important for impact printers whose vibrations could damage the hard disk. Please take care to ensure a free air flow to the server at all times. Do not block the ventilation slots of the server case and particularly the power supplies. An insufficient air flow may damage the server and / or its components. **ATTENTION** In order to fully separate the server from current, the power cord must be removed from the wall outlet.

**ATTENTION** Safety instruction for upright devices: To ensure stability, the floor stands must be turned outwards. MAXDATA Server PLATINUM 500 I M6 5  
Connecting the System Back Panel Connectors A B C D H G Figure 1. Back Panel Connectors F E A. B. C. D. Mouse Serial Port B NIC 1 (10/100/1000 Mbps) NIC 2 (10/100/1000 Mbps) E. F. G. H.

USB 2-3 USB 0-1 Video Keyboard The NIC LEDs at the right and left of each NIC provide the following information. Table 1. NIC LEDs LED Left LED State  
Off Solid Amber Blinking Amber Right Off Solid Amber Solid Green Description No network connection Network connection in place Transmit/receive activity 10 Mbps connection (if left LED is on or blinking) 100 Mbps connection 1000 Mbps connection 6 Setting up the System Powering up the System At the front of the case, you can find the necessary controls like power button, reset button and the HDD Leds. Press the power button one time briefly in order to boot the server. A B C D E I G H F Figure 2.

The Controls A. B. C. D. E.

Power LED HDD LED NIC2 LED NIC1 LED Fan Warning LED F. G. H. I. Front USB ports Power switch Reset switch Disable Fan Warning MAXDATA Server PLATINUM 500 I M6 7 8 2 Server Board Features This chapter briefly describes the main features of the Server Board. This chapter provides a list of server board features and diagrams showing the location of important components and connections on the server board. Table 2 summarizes the features of the Server Board. Table 2. Server Board Features Feature Processors Memory Chipset Description Support for up to two Dual-Core Intel® Xeon® processors 5000 sequence · Four DIMM sockets supporting stacked DDR2 533/6671 MHz FBDIMM memory (up to 8 GB of total system memory) Intel® 5000V chipset, consisting of: · Intel® 5000V Memory Controller Hub (MCH) · Intel® Enterprise South Bridge (ESB2-E) External connections: · Stacked PS/2 ports for keyboard and mouse · DB9 Serial A port · Two RJ45 NIC connectors for 10/100/1000 Mb connections · Four USB 2.0 ports Internal connections: · One USB port header, which supports two USB 2.

0 ports · One DH10 Serial B header · Six serial ATA connectors with embedded RAID 0/1/10 support · One ATA-133 connector · SSI-compliant 34-pin, high-density 100-pin, and alternate 50-pin control panel headers I/O Control Video Hard drive National Semiconductor PC87427 controller On-board ATI ES1000 video controller with 16 MB external video memory · ATA-133 support: one IDE channel capable of supporting up to two drives · SATA support · SAS support (optional) Intel® 82563EB dual port controller for 10/100/1000 Mbit/sec Ethernet LAN connectivity · MM B2, starting from the inside of the board. NOTE Memory sizing and configuration is guaranteed only for qualified DIMMs approved by MAXDATA. Installing DIMMs To install DIMMs, follow these steps: 1. Observe the safety and ESD precautions at the beginning of this book. 2. Turn off all peripheral devices connected to the server. Turn off the server. 3 . Disconnect the AC power cord. 4.

Remove the server's cover. See your chassis documentation for instructions. 5. Locate the DIMM sockets. See Figure 5.

DIMM A2 DIMM A1 DIMM B1 DIMM B2 C D A B Figure 5. Installing Memory MAXDATA Server PLATINUM 500 I M6 13 6. Make sure the clips at either end of the DIMM socket(s) are pushed outward to the open position. 7. Holding the DIMM by the edges, remove it from its anti-static package. 8. Position the DIMM above the socket. Align the small notch in the bottom edge of the DIMM with the keys in the socket (see inset in Figure 5). 9. Insert the bottom edge of the DIMM into the socket. 10. When the DIMM is inserted, push down on the top edge of the DIMM until the retaining clips snap into place. Make sure the clips are firmly in place. 11. @12.

Replace the server's cover. Reconnect any external components you needed to disconnect. 13. Attach the AC power cord. Removing DIMMs To remove a DIMM, follow these steps: 1. Observe the safety and ESD precautions at the beginning of this book. 2. Turn off all peripheral devices connected to the server. Turn off the server. 3 .

Remove the AC power cord from the server. 4. Remove the server's cover. See your chassis documentation for instructions. 5.

Gently spread the retaining clips at each end of the socket. The DIMM pops out of the socket. 6. Hold the DIMM by the edges, lift it away from the socket, and store it in an anti-static package. 7.

@@8. Replace the server's cover. Reconnect any external components you needed to disconnect. 9. Attach the AC power cord. 14 Server Board Installations and Upgrades Installing or Replacing a Processor NOTE Use the instructions provided below to install or replace a processor instead of using the instructions that came with the processor. If a single processor is to be used, it must be installed in the processor socket labeled CPU1. This socket is located closest to the corner of the server board. When installing a second processor, verify that the processors are identical and of the same voltage and speed. Do not mix processors of different types or frequencies.

**CAUTIONS** Processor must be appropriate: You may damage the server board if you install a processor that is inappropriate for your server. ESD and handling processors: Reduce the risk of electrostatic discharge (ESD) damage to the processor by doing the following: (1) Touch the metal chassis before touching the processor or server board. Keep part of your body in contact with the metal chassis to dissipate the static charge while handling the processor. (2) Avoid moving around unnecessarily. Installing a Processor 1. @@2. Turn off all peripheral devices connected to the server.



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Replace or reseat the system video add-in card. If on-board video is being used, the server board may be faulty. 8 BIOS Recovery Beep Codes Table 7. BIOS Recovery Beep Codes Beeps 1 1-2 Reason One long beep video is active. One long beep and two short beeps: Insert the BIOS recovery diskette. An error or warning condition at boot can result in a series of beeps being issued known as "beep codes". These beeps have a code that identifies system or PCI card events. Before checking for a system beep code error make sure the PCI card is not causing the beeping. MAXDATA Server PLATINUM 500 I M6 27 28 6 Rack Installation The PLATINUM 500 I is available with an optional slide rail kit for rack installation. The following instructions apply to servers with this rack option only. Parts List The following is a list of all the parts that are relevant for installation; each part is designated with a letter that is used in the installation guide. External Rail The middle rail (B) is slid inside the external rail (A) and the internal rail (C) in turn is inside the middle rail (B). Middle Rail Internal Rail End Bracket Round head screw, large Round head screw, small Nut Perforated Plate with threaded holes NOTE Countersunk screws are not required.

Tip: Customers with a MAXDATA rack can simplify installation of the server by taking the screws, washers, and clamping nuts from the fastening set of their cabinet. MAXDATA Server PLATINUM 500 I M6 29 Installation 1. Pull the internal rail (C) out of the middle rail (B). 2. Leave the middle rail (B) inside the external rail (A). 3. Measure the distance between the front and rear breadboard section of your cabinet. At-tach the silver end brackets (D) to the external rail (A) with two screws (E) and two nuts (G) each. Be careful to make sure that the distance between the fastening bracket for the external rail (A) and the end bracket (D) is the same as the distance between both bread-board sections of your server cabinet. 30 Rack Installation 4.

Attach the rails in the rear of the server cabinet with the silver end brackets (D). First hold the fastening bracket up to the breadboard. Then set the perforated plate with the threa-ded holes (H) behind the breadboard section. Finish by inserting the screws (E) from the front through the breadboard and the fastening bracket to the perforated plates (H) Front: A Rear: D 5. Attach the internal rails (C) with the locking device in the rear of the server housing with the small screws (F).

6. When finished, you can slide the server into the server cabinet by pushing the inner rail (C) into the middle rail (B). To be able to slide the server completely inside, you have to push in the locking device at both sides of the rails. MAXDATA Server PLATINUM 500 I M6 31 32 7 Regulatory and Integration Information Product Regulatory Compliance Product Safety Compliance The Server Board complies with the following safety requirements: . . EN60950 (Europe) CE - Low Voltage Directive 73/23/EEE (Europe) Product RoHS Compliance Restriction of Hazardous Substances: This server system is compliant to European Directive 2002/95/ EC (RoHS). Product EMC Compliance Class A Compliance NOTE: Legally the product is required to comply with Class A emission requirements as it is intended for a commercial type market place.

The Server Board has been tested and verified to comply with the following electromagnetic compatibility (EMC) regulations when installed in a compatible MAXDATA host system. . . EN55022 - Emissions (Europe) EN55024 - Immunity (Europe) CE - EMC Directive 89/336/EEC (Europe) Certifications / Registrations / Declarations . CE Declaration of Conformity (CENELEC Europe) Product Regulatory Compliance Markings This product is marked with the following Product Certification Markings: Table 8. Product Certification Markings Regulatory Compliance CE Mark Country Europe Marking Electromagnetic Compatibility Notices Europe (CE Declaration of Conformity) This product has been tested in accordance too, and complies with the Low Voltage Directive (73/23/ EEC) and EMC Directive (89/336/EEC). The product has been marked with the CE Mark to illustrate its compliance. MAXDATA Server PLATINUM 500 I M6 33 .



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