

845pe max manual



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Book Descriptions:

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We delete comments that violate our policy, which we encourage you to read. Discussion threads can be closed at any time at our discretion. DDR400overclocking Please contact your local dealer for the availability of this model in your region. If you have not installed Adobe Acrobat Reader, please get it from Adobe. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed. The actual user interface may vary with the updated software version. Much like its immediate predecessor, the 845PE Max2 features both an integrated. It improves upon the Also included in the package are familiar features such as Fuzy Logic 4 a Live Update 2, and the PC Alert hardware monitoring system. As expected, the 845PE Max2 is also compatible with 533MHz FSB Pentium 4 CPUs. ATA133 drives via its builtin RAID controller, and DDR333 memory. In short, the 845PE Max2 is one fullyloaded piece of equipment, and we invite MSI 845PE Max2 FIRs sound capabilities are provided by an integrated CMedia. CMI8738 audiochip. The CMI8738 supports 5.1 speakerconfigurations, with 4 to 6 As part of its optional equipment, the MSI 845PE Max2 FIR also includes RCA, and From a sound quality reproduction standpoint, the CMedia. CMI8738 has very It supports up to 32 polyphonic voices, EAX Various other system component settings can also be adjusted either For those who choose the former, they will find. DDR voltage 2.5 to 2.8 Volts, and the AGP voltage 1.5 to 1.8 Volt. Last but not least, the BIOS also provides the users with the option to tweak Six 2200Mfds, and four 1500Mfds capacitors have been placed around the CPU The ATX connector is located between the CPU socket and the memory slots, which Three fan connectors are included one of which is used by the chipset fan Hardware monitoring is controlled by a Winbond W83627HF circuit. This board permits the manual assignment of IRQs.<http://biodata.com.pl/calligraphy-manual-dexterity.xml>

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RAID ATA133 support is provided by a Promise Technologies PDC20276 controller Sixchannel, 5.1 environment sound is provided by a CMedia CMI 8738 chip.A fourLED diagnostic panel is present. And finally, this motherboard comes complete with BlueTooth support, Live The 845PE Max2 FIR also comes with a number of other features, including the. Fuzzy Logic 4, PC alert 4, BIOS multilangue, Live Monitor, and Live Update 2. That said, users should read Acrobat Reader, a digital rendition of the users manual, Trend PCcillin 2002. MSI Live BIOS, Live Update 2.0, and a number of other utilities. MicroStar 845PE Max2 FIR comes with one 80pin ATA100 cable, one floppydrive Overclocking results were absolutely fabulous. We were able to push the 845PE. Max2 FIRs FSB all the way to 156MHz, for a final CPU speed of 2964MHz all Most of todays motherboards exhibit performance very This is exactly where this evaluation table comes in handy. MSI 845PE Max2 FIR is clearly a formidable card, no matter how you look at it. We were truly blownaway by this board from start to finish. Its rich feature And, as if that isnt enough, its Overclocking performance is excellent, and In short, we wouldnt hesitate to recommend the MSI 845PE Max2 FIR to power Max2FIR MSI kicks out their latest. Pentium 4 board, and it packs a lot of the usual features, as well as some For those of These virtual. CPUs can run separate instruction threads the same time, and according to Intel, Northbridge found on the i845E Max2BLR, and called it a day, but credit to them Well look more at this later on. Northwoods, even when overclocked. More information can be found inSome things have been Their patented red PCB is Capacitors are located That being said, Youll also notice there This is the first time weve ever come This did strike me as a bit unusual as there Removing the heatsink exposes the Northbridge. Theres USB2.0 is also a feature, fully integrated

into the ICH4, and negates the need Despite the new features.<http://lejuriste.ru/files/call-pilot-manual-pdf.xml>

ATA100 support is all that is offered with this chipset. As with previous. Promise controllers, expect 1015 seconds added to your boot time. What is IDE controllers, you have support for up to 8 IDE devices. In its place is the CMedia 8738MX, Its comparable to most mid level The ICH4 supports The USB DBracket also has a FireWire support, thanks to VIAs VT6306 FireWire controller, giving you the From what research I was The problem is present again with I should warn you The manual makes clear what IRQs share with which, The rear panel isnt legacy free, but it does include an extra two USB ports What is interesting is that. Gigabit Ethernet is supported, I used to find it lacking when There are a fair The CPU will Adjustments in 1MHz increments are available, and simply keying in what FSB you This will limit the As weve mentioned ealier, the multiplier Aeroflow 478 pretty darn good cooler I may add.In fact, the. PC did POST, but the screen went blank at the Promise boot up. Windows splash screen, but were immediately greeted with a blue screen, critical CPU benchmark. I tried opening Photoshop to capture the screenshot, but it I rebooted, and the system wouldnt POST, forcing OC speeds are a little better than the 845E reviewed earlier. Temperatures during this time were about 55C, so I I thought 158 We were able to do everything we Crucial PC2700 DDR 2 x 80GB Maxtor ATA100 RAID0. PNY Verto Ti4600 This MSI board happens to be the oneThis is the very same board that What that means is for the Remember that we allowed the ram to Add another 33MHz 66MHz double pumped, and we Mark scores follow a similar trend.

The added memeory speed seemed to help the Benchmarks were run at For motherboards and CPUs, we There is a slight improvement of a Its extemely taxing, but like Quake 3, the The addition of FireWire is a feature that many home, mainly multimedia users, Gigabit Ethernet, though hardly mainstream, should provide The red PCB With support for Hyperthreading, Both will hit your CPU while We lost about 5 FPS in Quake 3 when using the FPS while downloading a map pack during benchmarking. What is remarkable about In anycase, this is hardly a Placement of the power headers also Serial ATA would have been a nice touch as I raved about the 845E Max2, and Well, for the next 6 months Ethernet, Hyperthreading support, extra USB 2.0 ports, solid construction, Memory speeds are much improved, and the Unfortunately most Line Out, which are driven by the onboard sound. Its good to know that USB 2.0 and LAN ports as standard. Soon enough rear FireWire will be standard Intel, SiS, and VIAs South Bridges. RAID 1 mirroring. MSI doesnt add any Serial ATA here, and this is pretty This is a good feature to This setup by itself is pretty highend, as most USB 2.0. This is made possible through Intels ICH4 South Bridge, which offers There are no In fact, this little The ATX12V connector is located on the MSI, unfortunately, is one of Ti4600 unfortunately. We see in the above picture that the connectors are simply This is quite the We have always preached about We also see that the USB 2.0 Max2FIR uses the famous BIOS by Phoenix Technology, aka Award. Vcore, PSU readings all rails, and even Battery voltage. This amount of info This was odd This says something about the accuracy of reading Features section of the BIOS, which is normal for most MSI Pentium 4 Precharge, Active to CMD, and Burst Length Burst Length isnt too important DRAM timing mode adjustments. However, it seems the vast majority of motherboard VDIMM options went as high as 2.8V in 0.1V increments.

<http://gbb.global/blog/3180-transmission-manual>

This should be plenty for VAGP was very good VAGP to get a good video card overclock. As should be common knowledge FSB using the MSI 845PE Max2FIR motherboard Testbed. Of course, that would assume you get CPU that overclocks at least as All in all, the Max2FIR ends As a result of these facts, we werent able to We still managed to test this board in several different areas and The Max2FIR was able to run exactly one full day Ideally we would have Max2FIR we would have to run these tests on dozens of these boards to ensure Unfortunately, that type of scenario So, in addition to Here were our results in this conservative DDR333 DIMM at a time. However, were We ran

Prime95 torture tests for hours at a time at the timings listed in the During the time this board was Our Super Pi tests also proved Max2FIRs BIOS, we were forced to run additional memory tests on this So as before, we Samsung, Kingston, Twinmos, Mushkin, and Corsair memory were all tested at the Due to the massive amount of For some odd reason, there seemed to be a problem with running two Mushkin Mushkin modules at CAS 2225 timings, even though this was continuously Perhaps this Our emails we can We received a response MSI was able to correctly If you go to There are even Some of these countries and continents Netherlands, Russia, Taiwan, and the USA among others. MSI for example, ASUS and Gigabytes tech support and RMA werent that great. However, MSIs technical support response time was fairly quick, and the general DDR400 module set to CAS 2225 timings. Any other performanceenhancing The applications benchmarked include Viewperf 7.0 Lets list exactly what this board offers to The first factor you must consider is the competition. If you truly wanted a PX845PEV Pro. If you truly desired a fully loaded and integrated allinone And if you were All in all its a tough. MSI Copyright Y 2012 MicroStar Intl Co.,Ltd. All rights reserved. Apr 12, 2004 The reference for current tech news.

<http://dumaxsrl.com/images/bowflex-ultimate-2-parts-manual.pdf>

To download 845PE Max driver read the instructions below. MicroStar MSI MicroStar DRIVERS MANUALS BIOS Motherboard chipset, zakladni desky, Slot, Socket, information, driver, info, CPU, manual, BIOS, Celeron, 845PE Max2 850E Max2 648 MaxV Worlds most popular driver MSI MicroStar Motherboard 845PE Max MS6580 Memory Ram This image is for reference purposes only. Installation guide, Click here to view the installation guide which will be sent with the Motherboard. driver for motherboard Microstar 845PE Max Post by Allunga923 k Sat May 07, 2011 527 pm. Msi 845pe max manual msi 845pe max See all guides for Motherboards k. Prices are provided by the Drivers, User guides, Service manuals, Firmwares, DLL, Soft, Articles, News SeriesMicrostar MS6330 V5.0Microstar All MSI MB with Broadcom 4401Microstar The system boots, but just after the ShopWiki has 63 results for Microstar International Motherboard, 6100 nForce 405, Athlon X2, MATX, Max 2GB DDR2, MS6580 v2.X ATX dance with the instruction manual, may cause harmful interference to radio The material in this document is the intellectual property of MICROSTAR V2.1 Change NB to 845PE chipset Aug. 2002 Sep 19, 2008 MSI HQ UserstoUsers Forum Manufacturer MICROSTAR INC. The Motherboard manual and website say that the motherboard should support it, i know the board is 5 years old. CPU SupportChipsetMemoryAudioMiscellaneousABIT EngineeredIf you only want to measure temperatures and fan speeds, its recommended to use newer and still supported tools like SpeedFan which are also more stable. Changelog is included below. Please pay attention to the prerequisites and precautions. With this power supply, the 9700 Pro will fail to boot up, requiring a reset button push to show the boot screen. The BIOS is suitable for nonRAID boards and it will automatically disable HPT BIOS when nonRAID boards are recognized. The BIOS is suitable for nonRAID boards and it will automatically disable the HPT BIOS when nonRAID boards are recognized.

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This BIOS version is also for non RAID boards and HPT BIOS will be automatically disabled while RAID controller chip not detected. Discover everything Scribd has to offer, including books and audiobooks from major publishers. Report this Document Download Now Save Save 845PE MAX SC6580v2.1 For Later 0 ratings 0% found this document useful 0 votes 6 views 94 pages 845PE MAX SC6580v2.1 Uploaded by srlesrki Description 845PE MAX Full description Save Save 845PE MAX SC6580v2.1 For Later 0% 0% found this document useful, Mark this document as useful 0% 0% found this document not useful, Mark this document as not useful Embed Share Print Download Now Jump to Page You are on page 1 of 94 Search inside document Browse Books Site Directory Site Language English Change Language English Change Language. Endusers can install and run the Live Update 5 software on their computers with the companion CD or downloading the app from

the MSI. The utility will automatically determine the right driver for your system as well as download and install the MSI Microstar 845PE Max driver. Being an easy-to-use utility, The Drivers Update Tool is a great alternative to manual installation, which has been recognized by many computer experts and computer magazines. Drivers For Msi Laptop Device type Motherboards Manufacturer MSI Model name 845PE Max MSI 845PE Max drivers will help to eliminate failures and correct errors in your devices operation. Download MSI 845PE Max drivers for different OS Windows versions 32 and 64 bit. After you have downloaded the archive with MSI 845PE Max driver, unpack the file in any folder and run it. MSI designs and creates top-tier gaming gear for gamers. DriverHub Updates drivers automatically.

HD Audio driver WHQL Pass For Win2K, WinXP CMedia Azalia Audio Drivers for all MSI MB with onboard CMedia CMI9880L audio codec controller HD Audio driver WHQL Pass For Win2K, WinXP CMedia Azalia Audio Drivers for all MSI MB with onboard CMedia CMI9880L audio codec controller. Browse all MSI drivers Would you like to try it too Please try again later. We detected nonstandard web traffic coming from your IP address. This type of traffic is usually generated by bot software and automated scripts. Please note that we allow only human access to our site, therefore we temporarily blocked this IP address. Also, you can go back to the list of drivers and choose a different driver for MSI 845PE Max MS6580 motherboard. Learn More By continuing to browse this site, you agree to this use. Read. Free Download Free Download Manage your Network! Free Download Free Download Free Download I have a motherboard MSI 845PE MAX and i have just bought 2 x 1Gig DDR 333 memory chips old computer that the misses uses. The problem is that it only detects it as 32Mb. The motherboard manual says that it can take up to 2Gb. I have flashed the BIOS with the latest one but it doesn't seem to have worked. Anyone come across anything similar who can drop us some advice please. Cheers Wayne The memory i currently have is 333Mhz and it works 2 x 256 chips. I have just order 2 x 512 to double the memory and hopefully this will work. MSI couldn't be bothered replying to me, think i will stick with more expensive motherboards, although that one was donated to me. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. Notice 1 The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Notice 2 Shielded interface cables and A.C. power cord, if any, must be used in order to comply with the emission limits. We take every care in the preparation of this document, but no guarantee is given as to the correctness of its contents. Our products are under continual improvement and we reserve the right to make changes without notice. Trademarks All trademarks are the properties of their respective owners. AMD, Athlon, Athlon XP, Thoroughbred, and Duron are registered trademarks of AMD Corporation. Netware is a registered trademark of Novell, Inc. Award is a registered trademark of Phoenix Technologies Ltd. AMI is a registered trademark of American Megatrends Inc. Revision History Revision History Date V2.1 Change NB to 845PE chipset Aug Replace COM B with VGA port Technical Support If a problem arises with your system and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please try the following help resources for further guidance. Visit the MSI website for FAQ, technical guide, BIOS updates, driver updates, and other information Contact our technical staff at iii Do not place anything over the power cord. 8. Always Unplug the Power Cord before inserting any add-on card or module. 9. All cautions and warnings on the equipment should be noted. 10. Never pour any liquid into the opening that could damage or cause electrical shock. 11. If any of the following situations arises, get the equipment checked by a service personnel The power cord or plug is damaged. Liquid has

penetrated into the equipment. The equipment has been exposed to moisture.

The equipment has not work well or you can not get it work according to User s Manual. The equipment has dropped and damaged. The equipment has obvious sign of breakage. 12. DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT UNCONDITIONED, STORAGE TEMPERATURE ABOVE 60 0 C 140 0 F, IT MAY DAMAGE THE EQUIPMENT. CAUTION Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. iv A14 Playing KaraOK. A15 Troubleshooting. T1 Glossary.G1 vii. The mainboard provides a Desktop Management Interface DMI function which records your mainboard specifications.This will continue to be shown until user disables the warning. To better protect the CPU from overheating, a new feature, COOLER XP, has been added to decrease the temperature of AMD Athlon XP CPU. To do so, simply clicking COOLER XP and the screen will show a steering wheel as shown right with information about the CPU and chipset. Rightclick any point on the steering wheel and the system will switch to a different display board with the same CPU and chipset information. MSI Reminds You. The new feature COOLER XP will work only if your mainboard supports AMD Athlon XP CPU. Items shown on PC Alert 4 vary depending on your system s status. 15 To overclock the CPU FSB Front Side Bus frequency under the Windows operating system, click FSB and use the right and left arrow keys to select the desired FSB, and then click Apply to apply the new setup value. To enable the system running at the specified FSB every time when you click Turbo, click Save to save the desired FSB first. If you want to know the maximal CPU overclocking value, click Auto to start testing. The CPU FSB will automatically increase the testing value until the PC reboots. After rebooting, click Turbo to apply the test result. Click Default to restore the default values.

To adjust the options under CPU Speed and Voltage, use the right and left arrow keys to select the desired value and then click Apply to run the setup value. 16. To use the function, you need to install the MSI Live Update Series 2 application. After the installation, the MSI Live Monitor icon as shown on the right will appear on the screen. Double click this icon to run the application. Double click the MSI Live Monitor icon at the lower right corner of the taskbar, and the following dialog box will appear. View Last Result Allows you to view the last search result if there is any. Preference Configures the Search function, including the Search schedule. Exit Exits the Live Monitor application. 17 The LEDs provide up to 16 combinations of signals to debug the system. The 4 LEDs can debug all problems that fail the system, such as VGA, RAM or other failures. This special feature is very useful for the overclocking users. These users can use the feature to detect if there are any problems or failures. Early Chipset Initialization Memory Detection Test Testing onboard memory size. The DLED will hang if the memory module is damaged or not installed properly. Decompressing BIOS image to RAM for fast booting. Initializing Keyboard Controller. Testing VGA BIOS This will start writing VGA signon message to the screen. 18 Then, detect and initialize the video adapter. BIOS Sign On This will start showing information about logo, processor brand name, etc. Testing Base and Extended Memory Testing base memory from 240K to 640K and extended memory above 1MB using various patterns. Assign Resources to all ISA. Initializing Hard Drive Controller This will initialize IDE drive and controller. Initializing Floppy Drive Controller This will initializing Floppy Drive and controller. Boot Attempt This will set low stack and boot via INT 19h. Operating System Booting 19. After the installation, the MSI Live Update Series 2 icon as shown on the right will appear on the screen.

Double click the MSI Live Update Series 2 icon, and the following screen will appear Five buttons are placed on the leftmost pane of the screen. Click the desired button to start the update process. Live BIOS Updates the BIOS online. Live Driver Updates the drivers online. Live VGA BIOS Updates the VGA BIOS online. Live VGA Driver Updates the VGA driver online. Live Utility Updates the utilities online. If the product you purchased does not support any of the functions listed above, a

sorry message is displayed. For more information on the update instructions, insert the companion CD and refer to the Live Update Series Guide under the Manual Tab. 110 The SBracket offers two types of SPDIF connectors one for optical fiber and the other for coaxial connection. Select the appropriate one to meet your own need. For more information on SBracket, refer to Appendix. Using 4 or 6Channel Audio Function. The accompanying MSI DVD is a convenient tool to meet increasing demands for home entertainment. To play DVD with 6channel audio output, you must configure both the MSI DVD application and the audio codec s software utility. Otherwise, the 6 channel audio function will not work properly. For information on how to select 6channel mode in the audio software utility, refer to Appendix. Using 4 or 6Channel Audio Function. Follow the procedures below to enable 6channel support with MSI DVD 1. Click on this button from the control panel of MSI DVD. 2. Click the Audio tab. 3. Select 6 speaker mode 5.1 channel MSI Reminds You. MSI DVD supports Dolby Digital format only. To view DTSformatted video, you should convert it to Dolby Digital format first. To enter the online help 1. Click on the icon at the bottomright corner of the control panel. 2. The following window appears. Click here 3. Click MSIDVD FAQ. 113 Also, it provides the instructions on connecting the peripheral devices, such the mouse, keyboard, etc. The mainboard uses a CPU socket called PGA478 for easy CPU installation.

When you are installing the CPU, make sure the CPU has a heat sink and a cooling fan attached on the top to prevent overheating. If you do not find the heat sink and cooling fan, contact your dealer to purchase and install them before turning on the computer. Overheating Overheating will seriously damage the CPU and system, always make sure the cooling fan can work properly to protect the CPU from overheating. Replacing the CPU While replacing the CPU, always turn off the ATX power supply or unplug the power supply s power cord from grounded outlet first to ensure the safety of CPU. Overclocking This motherboard is designed to support overclocking. However, please make sure your components are able to tolerate such abnormal setting, while doing overclocking. Any attempt to operate beyond product specifications is not recommended. We do not guarantee the damages or risks caused by inadequate operation or beyond product specifications. 23 24 MS6580 ATX Mainboard CPU Installation Procedures for Socket Please turn off the power and unplug the power cord before installing the CPU. 2. Pull the lever sideways away from the socket. Make sure to raise the lever up to a 90 degree angle. 3. Look for the gold arrow. The gold arrow should point towards the lever pivot. The CPU can only fit in the correct orientation. Sliding Plate Gold arrow Open Lever 90 degree 4. If the CPU is correctly installed, the pins should be completely embedded into the socket and can not be seen. Please note that any violation of the correct installation procedures may cause permanent damages to your mainboard. 5. Press the CPU down firmly into the socket and close the lever. As the CPU is likely to move while the lever is being closed, always close the lever with your fingers pressing tightly on top of the CPU to make sure the CPU is properly and completely embedded into the socket.

Gold arrow Gold arrow Press down the CPU Correct CPU placement O Incorrect CPU placement X Close Lever 24 25 Hardware Setup Installing the CPU Fan As processor technology pushes to faster speeds and higher performance, thermal management becomes increasingly important. To dissipate heat, you need to attach the CPU cooling fan and heatsink on top of the CPU. Press down the fan until its four clips get wedged in the holes of the retention mechanism. 4. Press the two levers down to fasten the fan. Each lever can be pressed down in only ONE direction. High memory bandwidth makes DDR an ideal solution for high performance PC, workstations and servers. 27 28 MS6580 ATX Mainboard DIMM Module Combination Install at least one DIMM module on the slots. Memory modules can be installed on the slots in any order. You can install either single or doublesided modules to meet your own needs. The module will only fit in the right orientation. 2. Insert the DIMM memory module vertically into the DIMM slot. Then push it in until the golden finger on the memory module is deeply inserted in the socket. 3. The plastic clip at each side of the DIMM slot will automatically close. Volt Notch MSI Reminds You. You can barely see the golden finger if the module

is properly inserted in the socket. 28 29 Hardware Setup Power Supply The mainboard supports ATX power supply for the power system. Before inserting the power supply connector, always make sure that all components are installed properly to ensure that no damage will be caused. ATX 20Pin Power Connector PWR1 This connector allows you to connect to an ATX power supply. To connect to the ATX power supply, make sure the plug of the power supply is inserted in the proper orientation and the pins are aligned. Then push down the power supply firmly into the connector. You can plug the USB device directly into the connector. You can attach a serial mouse or other serial device directly to them.

Pin Definition Pin Male DIN Connector PIN SIGNAL DESCRIPTION 1 DCD Data Carry Detect 2 SIN Serial In or Receive Data 3 SOUT Serial Out or Transmit Data 4 DTR Data Terminal Ready 5 GND Ground 6 DSR Data Set Ready 7 RTS Request To Send 8 CTS Clear To Send 9 RI Ring Indicate 212 33 Hardware Setup Parallel Port Connector The mainboard provides a 25pin female centronic connector as LPT. Audio Port Connectors Line Out is a connector for Speakers or Headphones. Line In is used for external CD player, Tape player, or other audio devices. For more information on 6channel audio operation, please refer to Appendix. Floppy Disk Drive Connector FDD1 The mainboard provides a standard floppy disk drive connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. You can connect up to four hard disk drives, CDROM, 120MB Floppy reserved for future BIOS and other devices. These connectors support the provided IDE hard disk cable. IDE1 IDE2 IDE1 Primary IDE Connector The first hard drive should always be connected to IDE1. IDE1 can connect a Master and a Slave drive. You must configure second hard drive to Slave mode by setting the jumper accordingly. IDE2 Secondary IDE Connector IDE2 can also connect a Master and a Slave drive. MSI Reminds You. If you install two hard disks on cable, you must configure the second drive to Slave mode by setting its jumper. It supports threepin head connector. If the mainboard has a System Hardware Monitor chipset onboard, you must use a specially designed fan with speed sensor to take advantage of the CPU fan control. You can install the PC Alert utility that will automatically control the CPU fan speed according to the actual CPU temperature. 217 38 MS6580 ATX Mainboard Front Panel Audio Connector JAUD1 You can connect an optional audio connector to the JAUD1 front panel audio connector.

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