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- **1.0.**

Lastly,LineIn, LineOut, Mic and ports for Subwoofer and CenterWe have no major issues withThe Advanced Chipset Features screen offers a good selectionThe system comes withUser Defined which lets you set each item yourself. The Memory Frequency For option lets you set the frequencyThe setting ranges from. DDR266, DDR320, DDR400 and Auto, giving an ample array ofSetting screen is where users can adjust the Bus speedPAT Performance Acceleration Technology, which can beUnfortunately, the very brief users manual does not discussNonetheless, if you have theThe CPU voltage defaultsVoltage Control offers up adjustments from 2.6v to 2.9v inIn theory you can set up your board for everyday use withLike we said,There have been numerousTo start off we didnt wasteThis time the system posted, but as soon as Windows loadedAfter further trial andThis gave us a system bus speed of 1072MHz and a CPU speedWe hit a healthy 468FPS with. Quake 3 and 68.95 with Comanche 4, which are sizable gainFuturemarks Finest The contents. All products and trademarks are the property of their respective owners. Reproduction in whole or in part, in any form or medium, without express written permission of HotHardware.com, LLC. is prohibited. Inc. All rights reserved. Privacy and Terms. The page youre trying to reach is not here or has been removed. Try searching for it by using the search box above or below. Our homepage displays our latest content. Or, if you think its a website bug, contact us, and well fix it ASAP. Check out one of our latest articles. All Rights Reserved. Introduction What turned me like many of you I'm guessing on to DFI several months ago was the LANParty series of motherboards. It is a brilliant product marketing strategy that got the DFI name into thousands of more homes than it was in at the beginning of this year. Before LANParty, I'm not sure if I even knew what DFI was.http://dongsuhk.com/userfiles/cambridge-audio-s30-manual.xml

Now, it's one of the few companies I keep my eye on for new innovations or even just new LANParty series boards. DFI definitely achieved their goal with this consumer. And they aim to do it again with a new approach to BIOS settings. Currently, CMOS Reloaded allows you to save two distinct CMOS configurations. DFI has saved this announcement for Computex, and they will be getting the word out as much as they can. You may have seen some teaser press releases about CMOS Reloaded on many sites around the WWW, but today is officially the day that a review can be released featuring CMOS Reloaded, and thanks to DFI, we're one of a few sites with such a review. Read on to learn more about this Infinity series Springdale motherboard and CMOS Reloaded. That is why the 865PE Infinity package isn't full of extras. You basically get what you need, and that's it. There is only one IDE cable unfortunately, but the large motherboard layout and guide sticker is a nice little extra. I'm not sure where you'd stick it, but I bet a few of you out there would find a great use for it. Once again, I have very little bad to say about the layout of the board. I like the red PCB, and overall the layout is quite logical and not too cluttered. This is a hassle obviously if you for some reason need to plug in or unplug a CDROM audio cable, but you have PCI cards in the way. Admittedly, this might not affect too many users, but it's worth noting nonetheless. Now that you have seen it up close, here are some more shots of the 865PE Infinity, including shots of each corner of the board so that you can see how it's really laid out. As I said, I had no issues with installation. Everything went smoothly. Another Pic of the Entire 865PE Infinity Board Here's One Half of the Board The Other Half of the Board PCI Slots, CDIN, AUXIN, Etc. DIMM Slots, IDE Connections, Floppy Connection, Main Power Connection, Etc. SATA Connections, Front Panel Headers, 1 Fan Header, USB Headers Yellow, Etc.

This board includes three fan headers, two USB 2.0 headers for four additional external USB ports and two IEEE 1394 headers for two external FireWire ports. I haven't seen that included on many boards, so it's definitely worth pointing out. Not only was hardware installation troublefree, but software and driver installation was also as easy as it should be. I had no issues installing the Intel chipset drivers, CMedia audio drivers, Realtek Gigabit LAN drivers or the hardware monitor utility. Just as with the LANParty series, DFI includes the "Genie BIOS" for overclocking and tweaking. Here's a list of tweak ranges. I apologize that some of the pictures are blurry. One thing that you may have noticed though is the CMOS Reloaded main menu item. I'll discuss this more shortly, but first I'd like to briefly mention another feature that may have caught your eye in the Genie BIOS screen — Super PATCH. DFI has enabled Intel's PAT Performance Acceleration Technology function and labeled it Super PATCH. It's funny to see all the different names companies have come up with to call PAT on their Springdale boards. If your hardware is good enough to handle this more stressful setting, you will see a nice boost in performance with Super PATCH enabled. Maybe you have one CMOS configuration for surfing the Web and doing homework, and you have another higher performance config for gaming. This can easily be achieved with CMOS Reloaded. You just set everything the way you want it for the first configuration, and then you go to the CMOS Reloaded screen and select "Backup." Press Enter, and then it saves your CMOS settings. You also have the option to "Rename" it; something like "Normal Everyday Work" makes sense. You could then find the best settings for the highest performance your hardware will allow, and then follow those same steps. Maybe this time you name the configuration "Overclocked for Gaming.

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" Now, whenever you boot up your PC, you can just go into the BIOS setup screen, choose CMOS Reloaded and then load your BIOS of choice for your specific use at that time. I will be comparing it directly to the recently reviewed MSI 865PE Neo2FIS2R. In all benchmarks, HyperThreading was enabled. I'm going to compare both boards sidebyside with PAT disabled and with it enabled. Recall that DFI has labeled the PAT feature "Super PATCH." Also recall from the MSI Neo2FIS2R review that MSI's board also supports PAT called "MAT" by MSI by turning the Performance setting in the

BIOS to Turbo or UltraTurbo. The other two options, Slow and Fast, do not enable MAT. In the tests with MAT disabled, Performance was set to Fast. In the tests with MAT enabled, Performance was set to Turbo. My test system is listed below. With Super PATCH enabled on the DFI board, I had to adjust some BIOS settings to maintain stability. Memory timings were set to 3447, DIMM voltage was set to 2.8V and CPU voltage was set to 1.550V. Other settings were default unless otherwise noted. The Neo2 barely edges the Infinity out. The tables turn though when PAT is enabled. Then, it's the Infinity's turn to take a slight lead over the Neo2. With PAT disabled, the two mainboards share victory, but then enabling PAT leads to the Neo2 beating out the Infinity, but not by much on the Whetstone score. File System Motherboard Score DFI 865PE Infinity 29914 MSI 865PE Neo2FIS2R 30599 The scores for this test are very close. Both boards put up very nice scores around the 30,000 mark. While the Neo2 is able to claim a lead in overall score with PAT disabled and with it enabled, look at the performance boost after enabling PAT. The Infinity's score increased by 651 while the Neo2's improvement was just over half that at 329. In some ways, the Infinity did have more room for improvement, but I find the 8% increase rather impressive. Still, the score of 9007 posted by the Neo2 can't be ignored.

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Game Performance Just as with the 865PE Neo2FIS2R, I tested the 865PE Infinity's gaming performance using Quake 3 Arena's Four demo in Q3Bench and Futuremark's 3DMark2001SE Build 330. When running these tests, anisotropic filtering and antialiasing were disabled, and performance was set to Quality. Version 45.23 of NVIDIA's Detonator drivers were used. These charts will only show results with PAT disabled due to a problem I ran into with the Infinity board. Even after relaxing memory timings and increasing voltages, my system locked up each time I tried to run 3DMark2001. It's disappointing considering the excellent boost in performance shown in the charts above. I am working with DFI to figure out the problem, and I will update this review with any information I can share about it. Keep in mind that it might be my hardware causing an issue, but it could also be the board. As far as I know, DFI has gotten great results with Super PATCH enabled, so maybe I'm having bad luck. Update It appears that the problem with Super PATCH being enabled was most likely due to the TWINX10244000 DDR and not the Infinity board. I swapped the TWINX10244000 with two 256MB Corsair XMS3500 modules, and the system did not lock up while trying to run 3DMark2001. Keep in mind that the MSI board is set to "High" which is the second level, after "Low" in its Performance setting, which could very well be why it's pulling ahead of the Infinity here. Unlike the Neo2FIS2R, there is no Performance setting associated with it. While I was easily able to achieve CPU clocks of 225MHz 900MHz, 250MHz 1000MHz and 260 1040MHz, the system did so with the apparent sacrifice in audio. Somehow these overclocked settings disabled the onboard audio device. This is another issue I'm trying to get an answer about from DFI. While trying to overclock, it is important to leave Super PATCH disabled so that it doesn't hinder your efforts. I relaxed the memory timings to 3447 while overclocking.

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It makes me wonder if the AGP clock really was locked at 66. Even though the system wasn't 100% usable after overclocking due to the lack of sound, I'd still like to present some numbers for you to look at. Just keep the problems I mentioned in mind as you look at them. Update DFI has informed me that they will fix the audio issue with a BIOS revision very soon. It turns out that the audio was basically getting overclocked as well, which resulted in the device not starting. FutureMark's PCMark2002 CPU Setting Score 200MHz FSB 5968 225MHz FSB 6701 250MHz FSB 7447 Memory 200MHz FSB 8194 225MHz FSB 8690 250MHz FSB 9563 The performance increase was quite similar with the Sandra tests. At 225MHz, the game performance increased by 5.57.5%. At 250MHz, the performance dropped in 3DMark2001, and at times, it was locking up. This is what made me suspect that the AGP clock is not staying set at 66MHz. Obviously, your overclocking mileage will

vary depending on what hardware you have, but I think the potential of this board is excellent. I could see a lot of people having fun trying to sqeeze out the best performance with Super PATCH and overclocking. Sounds like a good challenge. Conclusion DFI's 865PE Infinity board may have a few wrinkles, but I think with a BIOS revision, they will all be ironed out very soon. Regardless, it is a good performing board that turns into an awesome performing board once you enable Super PATCH. The boost in performance that Super PATCH tends to provide is undoubtedly impressive. In addition to Super PATCH, DFI is strongly marketing the CMOS Reloaded feature, which I found to work as advertised. It's a neat feature that will appeal to many enthusiasts, especially those who experiment a lot with different settings and those who wish they could have a couple of main configurations to easily switch between. As a consumer and a reviewer, I appreciate DFI's effort to innovate, and I can't wait to see what else they come up with.

I'm also looking forward to seeing what the competition comes up with in the near future in response to this. So I'm giving it an 8 since that's right in between. Features 8 Super PATCH and CMOS Reloaded are the two biggest features that this board sports. Users will definitely have fun with these. Gigabit ethernet, 6channel sound, 4 SATA ports, RAID and other features are nice additions as well. Overclockers will appreciate the ease of use of Genie BIOS. Bundle 7.5 This is a limited bundle, which DFI chose to make the package more affordable. The trade off will be worth it to many users who don't want the extra fluff. Installation 9 Installation was simple and troublefree, just as it should be. Overall, the board layout is good. If you want high performance without a high price and you don't need a bunch of extras, then you should consider this board. Final Score 8.5 The innovation and thought put into this new Infinity board is easy to appreciate. Super PATCH and CMOS Reloaded will put a smile on the face of many users. A BIOS revision should help this already good product get even better. AMD has tried to break in to the market but not had much success. The laptop I am looking at today, ASUS ROG Zephyrus G15, is another challenger to the old partnership. Leave a Reply Cancel reply. Can only be configured for independentCan be configured forHowever, with prominence now paid to SATAFurther, only a single ATA100 IDE cableThe manual, too, isThats not enough, and it would have been betterA second manual, written entirely inThe utility CD contains all theA below averageIts just aDFI appears toWell see just how good it is in a couple of pages. Current dual channel chipsets include the. This memory kit consists of two CMX5123200C2 This memory has been verified to operate at 200 MHz DDR400 at aggressive 23 RAM used on the module may.

Icons placed on the left of file name will prompt you in which format and in what language user guide download DFI 865PETAG Motherboard are represented in this file. It can be ordered in the File Request section. Check on the board itself it should have a socket type, the model. Thanks to all who helped.You will need adobe reader.This manual should be the same as your mainboard, but here could be a difference in the drivers. The manual should show you how to connect the cables. Hope this will help you Login to post If it is it has Realtek ALC655 with AC97 codec for sound This is the ECS link for downloads, there are two versions of the board Or you can try here Good luck, DaveIf I could be of further assistance, let meknow. If this helps or solves the issue, please rate it and give a testimonial for my response.I do not have connection diagram for the front panel connections wires about 8 wires not connected by a single connector. The ECS FAQ does not help If you dont have the manual, just type the boards type in any browser and download the manual!May be your PSU is quite lower than your computer requires to run perfectly. Pls try to change the PSU and see if the problem gets solved.Open the cabinet disconnect the power On cable from front panel and short with screw driver for starting if computer is working fine.I have to unplug the A06 unit or it will play the music I've asked the other unit to do. One is in lanai area and the other is in my garage 40 ft away. Answer questions, earn points and help others. The history of this site goes back to 1996 when I was taking my first steps on the internet. Gradually the site grew to what it is now. I purchased Hardwareasylum.com in 2012 and have been working hard to build a new and improved Ninjalane

on that domain. Please update your bookmarks and be sure to visit the new and improved Ninjalane at Hardwareasylum.

com The chipset makes sure that all of the hardware components can talk to each other and control the basic features that are included on a particular motherboard. In the case of the i865PE two chips make up the i865PE chipset and include the standard Northbridge and Southbridge. I somewhat broke with tradition for this review and didnt removed the Northbridge heatsink. The Southbridge is the standard ICH5 that is found on most Springdale boards, the Southbridge supports Serial ATA but has no RAID feature. The design is using a traditional 3phase Mosfet system. There isnt really anything special about the CPU socket, though we have noticed that more and more ICs are making it into the processor cage space. I must applaud DFI for thinking ahead; even though the board comes with a passive Northbridge cooling solution they are providing a convenient upgrade path for anyone wishing to move to an active cooling solution. IDE, Floppy, and ATX power connectors are located right next to the memory slots. I am somewhat split on the decision to place all of these in this particular location. There will be more on this aspect later. The locations and purposes are all documented in the user manual. Site design and frontend production by Ninjalane LLC. Learn more opens in a new window or tab This amount is subject to change until you make payment. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab This amount is subject to change until you make payment. If you reside in an EU member state besides UK, import VAT on this purchase is not recoverable. For additional information, see the Global Shipping Programme terms and conditions opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab Learn More opens in a new window or tab See the sellers listing for full details.

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KT880 dual channel chipset is essentially based on the same core logic as theThey aren't ourIntel board. The Abit 865PE and 875P boards are also sellingNow that manufacturersThis board is designed by my particular favorite formerAbit employee he also did the BP6, and really is a killer design. Anyone else object Kristopher I mean I know they can bullshit their marketing to anyone they want without AMD making a single protest, but the serious gamers will never buy it. Not when the FX is better at less price. Some manufacturers have a stockpile of unlcoked chips, others do not. Check the forums for which motherboards have it and which dont. Kristopher Has this been verified. Is it too late to buy an 865PE motherboard and get that feature Rob TSMC to Stay with FinFET for 3nm Looks like him. Is that Lex next to him The Verge WordPress claims Apple cut off updates to its completely free app because it wants 30 percent. XeHP is just GPU tiles and their HBM dies.Sign up now.