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Asrock b450 pro4 overclock guide

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As we have reported in the ASRock AB350 Gaming K4 Test, the ASRock EZ Mod recognized from the ASRock board before is not (again?) available on the AMD AM4 parent board of ASRock. But the famous UEFI menu chart is the first choice for advanced OC enthusiasts as well. The inclusion page provides important information such as cpu used, UEFI version, DDR4 memory used with bi-channel support, time and date. This is the AMD Ryzen 7 1800X CPU entry page. And this is an inclusion page with AMD Ryzen 7 2700X CPU. Also System Server Exposure, ASRock Tech Services and My Favorite menu item (still?) is not available on the ASRock B450 parent board, but you will find full HD UEFI and Active Page selections at the Entry selection, where you can specify the UEFI page you want to start in UEFI inventory. This is especially useful for overclocking, as you often have to go to the second OC-Tweaker menu to look for optimum OC settings. With the PRO4 ASRock B450M you will find the Active Page on Entry Options and full HD UEFI selection under Forward. UEFI BIOS Update ... Before we started with UEFI overclocking, we first updated the UEFI BIOS to the latest version. Because ASRock often integrates new functions, better memory support and new processors, bios are now packaged in most cases. To pack uefi now ASRock offers several possibilities, for example Lightning Soon which is very easy or even ASRock Flash Internet with a continuous connection to the Internet. Through the so-called ASRock Immediate Flash Option in the Tool Screen or through the F6 key when starting your PC, you can access ASRock Express Utility Immediately. You should only install asrock BIOS that was loaded down before this without a CD but or similar to starting ASRock Express Utility Immediately. Then select BIOS The ROM of the desired booster, e.g. from USB wood, which you need to uninstall after loading down. During the exam, which has been installed BIOS version P1.10 can be found as the latest download. On the Tools page is the RGB LED entry. RGB LED settings are not graphically displayed, but additions are available in UEFI. However, the SOFTWARE ASRock Polychrome RGB LED in Windows (as shown on the previous page of the exam) is more beautiful. ASRock makes installing guides very easy for users by offering the Easy Guide Installer, an easy way to load down the latest guides directly. ASRock B450M Pro4 overclocking... Now we come to AMD Ryzen overclocking with B450 chipset on asrock B450M Pro4 motherboard. ASRock divides the OC-Tweaker ASRock B450M Pro4 menu into CPU Configuration, DRAM Configuration and Volt Configuration. These OC settings are combined on one page - so the fixed remains clear. To make the set a little easier, ASRock gives users the choice of whether they choose to use ASRock's Or AMD's CBS Set - resolved wisely! Let's start at the top - There are several OC set, but no direct BCLK set to choose from. AMD Ryzen 5 and AMD Ryzen 7 processors have an unlocked multiplier, so you can easily increase the frequency of the desired CPU. With an AMD Ryzen 5 2400G CPU (standard 3600 MHz clock at 36x CPU ratio), the ASRock B450M Pro4 mom board offers ranges from 1600 MHz to 6300 MHz for manual input. How easy overclocking is, we tried with the AMD Ryzen 5 2400G CPU and got it from 3600 MHz to 4141.6 MHz - as reported in the Amd OC Forum under the AMD Ryzen 5 2400G OC. Unstable prime, but you can see how high the cheaper CPU can be overshadowed. With amd Ryzen 7 CPU 2700X we can overclock with VCore upgrade from origin 3700 MHz to 4289.6 MHz - here is amd Ryzen 7 2700X OC post in our AMD Overclocking Forum. ASRock B450M Pro4 memory fixed... The DRAM Configuration menu contains all important memory settings. Thanks to the XMP set-up support, the XMP memory module can be correctly defined with the click of the mouse in the UEFI BIOS. Of course, you can also choose a value manually. In BIOS version P1.10 there is already a DRAM clock rating in the OC Tweaker menu. Alternatively, you can find all important memory settings under Advanced -> AMD CBS -> DrAM Timing Configuration. You can choose a value from DDR4-1866 up to DDR4-4000. All DDR4 times can also be synchronised manually. In addition, you can also set the frequency of GFX and GFX volts on the CPU with the GPU. ASRock B450M Pro4 fixed volt... Now we come to a different volte-level that can be aligned within uefi. Starting with CPU

SOC Volt, VCore Offset value, VCore NB Offset, +1.8V Volts so that your VDDP has an important rated that you can overclock the AMD Ryzen CPU well. And DDR4 volts can be increased from 1.100 to voltan menu, so you can undervolt or overclock the DDR4 module a little. ASRock B450M Pro4 easy overclocking... If you prefer overclock in Windows, you can do a lot of voltan and frequency above although with ASRock A-Tuning tool..... or as indicated in the AMD Ryzen OC guide published shortly, you can also overclock with the AMD Ryzen Master Tool. Once the desired set has been found, you can store up to five different BIOS set with a name in UEFI under OC Tweaker. For example, you can keep a balanced BIOS setting, set overclocking and office and game default values as user profiles, so you can add this value quickly at any time. Also interesting is the Save User's UEFI Inventory Profile to cakera option. Just click to save your own UEFI settings on hard or USB wood. BIOS Undervolting ... Underclocking was also re-examined in this test. For this AMD Ryzen 5 2400G CPU has been set to the lowest value through bios and therefore can be locked to approximately 1600 MHz or castrated to approximately 800 MHz. Of course, underclocking is like overclocking outside the manufacturer's specifications, so it needs to have a fate. ASRock provides several options for easy PC underclocking/downclocking. In this way, the AMD Ryzen P-States app is also very hidden in this B450 board. PStates is very attractive for AMD Ryzen optimization and offers a wide set depending on CPU status. Of course, this doesn't mean all UEFI settings, as you can still choose from CPU Configuration, North Bridge Configuration, South Bridge Configuration, Storage Configuration, Super IO Configuration, ACPI Configuration, Trusted Computer, AMD CBS Menu and AMD PBS Menu. The AMD Ryzen setting under AMD PBS and CBS is new, where you can also set the custom PStates terrace above under Zen Common Options. Under Advanced -> AMD CBS -> FCH Common Options -> USB Configuration Options you will find a USB port. SATA guards can be found on AMD Ryzen in UEFI under Advanced -> AMD CBS -> FCH Common Options -> SaTA Configuration Options. Here we still hope for a better picture to make all the important alignments as usual. As we know ASRock, there will be a bios pack soon, which will make it easier to find and adjust these basic settings... possible with the search function within UEFI, which we would like to back up again. © Control ... The cooled UEFI B450M Pro4 passive inventory offers a wide selection of temperature fan controls. Settings for fan guards can be found in the H/W Monitor constantly under temperature and volt exposure. Here you can find a choice of CPU fans, chassis enthusiasts or W_Pump suis. You have a choice between Customize, Silent, Standard, Achievement and Full Speed. Fan settings are swapped immediately, so you can hear the difference in sound immediately. In the Customize Mod there are several temperature measures available for the speed of a particular fan. Contrary to ASRock's parent board AB350 Gaming K4, ASRock is once again integrating between advance charts in UEFI inventory to guard fans. You can find find The ing menu is also on the H/W monitor and can thus make all settings clear. Just select your own fan connector on the left and select a mod on the right: Silent, Standard, Achievement or Full Speed. In The Customize Mod you can also select and save the value directly in gambarajah. For chassis fan connectors you can also choose which source you want to use for temperature measurement - Monitor CPU or Motherboard Monitor. Then click on the use and save the value. And even on the control of a 3-pin chassis fan is thought. If you prefer to set values in Windows, you can also use the ASRock F-Stream tool. You can usually get along without an expensive Fan Guard, as the fan is controlled with this fan control based on the CPU or temperature of the motherboard. If everything is specified in UEFI, only save it with the F10 key and set it with Z or with a Y for the English keyboard. ASRock B450M Pro4 power usage

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