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Ethos atiflash guide

Display advanced information of adapter [Num] if specified. -cr [Size] [Sum] Calculate 16-bit ROM checksum for adapter and compare it to the [Sum] specified. Usage examples Display information of all ATI/AMD adapters on the system: sudo atiflash -i adapter bn dn dID asic flash romsize test bios p/n ===== = = = =====
===== = = = ===== 0 01 00 67DF Ellesmere W25X40 80000 pass 113-F1 1 04 00 67DF Ellesmere W25X40 80000 pass 113-F1 Backup BIOS image of the adapter 0 to a file called msi-rx580-8g-hynix-default-bios.rom: sudo atiflash -s 0 msi-rx580-8g-hynix-default-bios.rom
Compare ROM content of adapter 0 to rom file msi-rx580-8g-hynix-default-bios.rom: sudo atiflash -v 0 msi-rx580-8g-hynix-default-bios.rom Write BIOS image in file msi-rx580-8g-hynix-modded-bios.rom to flash ROM in Adapter 0: sudo atiflash -p 0 msi-rx580-8g-hynix-modded-bios.rom Checksum for the first [Size] kbytes of the file is calculated if [Size] is specified. The atiflash-4.25 from has the following checksum sha256sum: sha256sum: 48461724bb755f57e51f397ae09d81d6f203332a0c64da395b2faef07e5e8f98 Download the binary via wget: wget Double check the sha256sum: sha256sum atiflash If the sha25sum is correct, then make the binary executable and copy it to a location of you choice such as /usr/local/bin: chmod +x atiflash sudo cp atiflash /usr/local/bin Now, you should be able to run the command atiflash as sudo: sudo atiflash -h CLI atiflash -h — ATIFLASH v4.25 --- -h, -?, -h, /? -st Use SST25Vfxxx flashing algorithm regardless of ROMID straps. First [Size] kbytes (except for Theater in bytes) of ROM content is saved if [Size] is specified. *Theater Pro supports commands -i, -p, -s, -cf, -cr, -t, -v and options -f, -noremap, -passid= Use with -pa command to update adapters of specific SSID. -biosfileinfo Displays the Bios info in file -p Write BIOS image in file to flash ROM in Adapter . This command is the same as -cb if [Size] is specified. SSID & SVID in BIOS image of adapter is displayed if [ID] is not specified. -fs Force flashing bypassing BIOS SSID check. -fp Force flashing bypassing BIOS P/N check. -nopci Do not enumerate PCI adapters, i.e. enumerate only AGP and PCIe adpaters -pcionly Enumerate only PCI adapters, i.e. do not enumerate AGP and PCIe adapters -agp Enumerate only AGP adapters, i.e. do not enumerate PCI and PCIe adapters unless used with -pcie or -pci -noagp Do not enumerate AGP adapters, i.e. enumerate only PCI and PCIe adapters -pcie Enumerate only PCIe adapters, i.e. do not enumerate AGP and PCI adapters unless used with -agp or -pci -nopcie Do not enumerate PCIe adapters, i.e. enumerate only AGP and PCI adapters -pci Enumerate only PCI adapters, i.e. do not enumerate AGP and PCIe adapters unless used with -agp or -pcie -noremap Skip BARs error detection and remapping in PCI configuration space -reboot Force a reboot of the system after successfully completing the specified operation -keepisrns keep the ISR Number on the adapter when flashing a new VBIOS -keepprodsn keep the Prod SN on the adapter when flashing a new VBIOS -siireset Specifies the GPIO Pin to be used as the Reset when updating SiI1930 microcontroller firmware Input example: -siireset=7 -siuprog Specifies the GPIO Pin to be used as the uprog when updating SiI1930 microcontroller firmware Input example: -siuprog=14 -scansii Overrides normal adapter detection to enable detecting SSI roms with/without TPI firmware -log Logs output to atiflash.log, overrides existing file -logappend Logs and appends output to atiflash.log -ddc Enable DDC support -padevid= Use with -pa command to update adapters of specific device ID. -fm Force flashing bypassing BIOS memory config check. -cb [Size] [Sum] Calculate 16-bit BIOS image checksum for adapter. -cf [Size] [Sum] Calculate 16-bit checksum for file. -isr [build num] [board num] If build number and board number are specified, sets the ISR Number value in specified adapter. -st Use ST M25Pxx flashing algorithm regardless of ROMID straps. -mb Modify SSID, SVID, BIOS Pin Number, & Boot Message in BIOS image of adapter to values in. -pasvid= Use with -pa command to update adapters of specific SVID. Checksum for the first [Size] kbytes of the ROM content is calculated if [Size] is specified. Config file example: outfile = update.exe banner = "Update v1.0" infile = a123.bin command = -pa -padevid=715B infile -isr Set ISR number based on the given build and board number if not specified, print out ISR Number -prod Set PROD number based on the given serial number if not specified, print out SN Number -checkprodsn Comparing the Prod SN based on existing prod sn saved in ROM : -f Force flashing regardless of security checkings (e.g. AsicID & BIOS file info check OR boot-up card). This page contains information about tools to manage AMD RX GPUs such as the RX 570/580 series. -pavbpn= Use with -pa command to update adapters of specific VBIOS PN. -nw No user interaction on test failure. -t Test ROM access of adapter -v Compare ROM content of adapter to -mi [ID] Modify SSID & SVID in BIOS image of adapter to . -fa Force flashing bypassing already-programmed check. First, install all the necessary dependencies via apt: sudo apt build-essential install ocl-icd-opencl-dev libpci-dev git Next, clone the following git repo from github and run make: git clone cd amdmeminfo make Lastly, copy the binary to a location of you choice such as /usr/local/bin: sudo cp amdmeminfo /usr/local/bin Now, you should be able to run the command amdmeminfo as sudo: sudo amdmeminfo -h CLI amdmeminfo -h Usage ./amdmeminfo [options] Options: -h --help Display Help -o --opencl Order by OpenCL ID (cgminer/sgminer GPU order) -q --quiet Only output results -s --short Short form output -i GPU/line -:: --use-stderr Output errors to stderr Usage examples Show the memory information of all GPUs: sudo amdmeminfo AMDMemInfo by Zuikkis Updated by Yann St.Arnaud ----- Found Card: 1002:67df rev e7 (AMD Radeon RX 580) Chip Type: Polaris10 BIOS Version: MS-V34113-F1 PCI: 04:00.0 OpenCL ID: 1 Subvendor: 0x1462 Subdevice: 0x3417 Sysfs Path: /sys/bus/pci/devices/0000:04:00.0 Memory Type: GDDR5 Memory Model: SK Hynix H5GQ8H24MJR ----- Found Card: 1002:67df rev e7 (AMD Radeon RX 580) Chip Type: Polaris10 BIOS Version: MS-V34113-F1 PCI: 01:00.0 OpenCL ID: 0 Subvendor: 0x1462 Subdevice: 0x3417 Sysfs Path: /sys/bus/pci/devices/0000:01:00.0 Memory Type: GDDR5 Memory Model: SK Hynix H5GQ8H24MJR atiflash atiflash is a tool that is used to flash the graphics card BIOS on AMD Radeon 580, 570, 480, 470, 460 and older cards. Installation On an Ubuntu system, it can be installed as follows. -atmel Use AT25Fxxx flashing algorithm regardless of ROMID straps. amdmeminfo is a tool that allows one to get GDDR5 memory information and other information from AMD Radeon GPUs such as the RX 570/580 series. If only adapter is specified, the current ISR Number is displayed -checkpn Checks PN of the current product and compares it to external file * = adapter number, = filename *[Size] = data block size in KBytes, except for Theater Pro in Bytes *Use command -i to see the adapter numbers in the system. Help ATIFLASH [command] [parameter1] [parameter2] [parameter3] [command]: -i [Num] Display information of ATI adapters in the system. Display information of adapter [Num] if specified. -ai [Num] Display advanced information of ATI adapters on system. Input file example: ssid = 715B svid = 1002 biospn = "113-xxxxx-xx" bootmsg = "ATI graphic board" -pak Package an executable for BIOS update according to the commands in. -excl_memtrain_dtable When flashing on new VBIOS, a pre-determined memory training data table in the old VBIOS will not be overwritten. -s [Size] Save BIOS image from adapter to file . For more details see: Installation The atiflash tool can be downloaded from ethos mining distribution: . -pa Write BIOS image to all appropriate adapters.

6.06.2017 - Guide: How to Mine AEON Cryptonote-light + Miners Downloads ... AMD/ATI ATIFlash 2.84 GPU-Z 2.7.0 ATI Pixel Clock Patcher 1.4.6 DDU HWinfo64+32 OC Tools ... Im currently using ethos and using globalmem at 2160 and globalcor at 1215 with powertune set to 3, and globalfan set to 45, I have them hashing at 670 h/s running with the included sgminer ... There is an Atiflash Tool guide. 2. Getting the rom file. Now you can just unplug your USB stick from your rig, plug it into your Windows PC and the original file should be there, right alongside the config file where you've configured your email address. ... Yes, you can reflash your current rig from HiveOS or EthOS or other linux distribution. 15.12.2019 - Obtain an AMD RX 580 Video Card. This may sound like a “no brainer”, but you’re going to need an AMD video card for this to work. Specifically an AMD RX 580, but this same set of steps also apply the AMD RX 480 and other other AMD graphics cards. So make sure you have one those cards before beginning. Follow this guide for configuring ethOS to work on these pools: Find your worker name for each rig. ethOS assigns a 6-digit alphanumeric code (worker name) for each rig. You can find out your worker name by looking at the ethosdistro.com stats panel, rig desktop, or ssh terminal. 1. Introduction. I’m mining ethereum for quite some time now. I have a collection of lots of RX 4xx/5xx GPU’s and many Nvidia Gtx 1060/1070 Gpu’s and I have helped people on various forums, and had a lot of customers from which I’ve gained all of this knowledge.

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