CPU 金占勇 2024-09-24 发表

告警信息



客户海光7375 windows 2019 设置CPU睿频,经查询此CPU最高睿频能达到3.0GHz,客户调整睿频选项后查看任务管理器CPU频率依旧为基础频率2.0GHz

问题描述

R3830G5H3-海光7375 windows 2019 设置CPU睿频,经查询此CPU最高睿频能达到3.0GHz,客户目前睿频选项为

"Global C-state Control: Disabled""Core Performance Boost: AUTO""P-State Control:Disabled" 系统下查看CPU频率依旧为基础频率2.0GHz。

过程分析

在实验机10.12.184.59 (cpu:7360)上测试

1.客户BIOS下Core Performance Boost选项只有AUTO和Disable,与研发提供的海光CPU锁在睿频需 要将此选项设置为Enable不一至,经升级各版本BIOS固件验证,此选项与BIOS版本无关,确实仅有A UTO和Disable两个选项,无Enable, "Core Performance Boost: AUTO"实际上就是Enable。 2.应用固定睿频频率模式配置模板

"Global C-state Control: Enabled""Core Performance Boost: AUTO""P-State Control:Disabled", 此设置在ifist下测试睿频有效,基频2200MHz, turbostat能看到各个core的Bzy MHz已经超过2200

解决方法

1. 打开压缩包 执行Dism++x64



2. 左边菜单栏选择工具箱 然后选择文件浏览工具

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Drivers Apps and Features Optional Features Updates	imadex	File Explorer	ISO Maker	Hosts Ealtor			
Deploy Features Default Associations Pre-Answer							
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3.进入C:\Windows\System32\drivers 这个目录下



4.找到processr.sys这个文件 改名成任意文件 (xxprocessr.sys)

> · 🛧 📙 « Syst	em32 > drivers > V 🖑	Search drivers	Q
Organize 🔻 New folder			1 0
 ✓ Quick access ✓ Desktop ✓ Downloads ✓ Downloads ✓ Documents ✓ Pictures 	Name PktMon.sys pmem.sys ppmem.sys portcls.sys processr - Copy.sys	Date modified 11/5/2022 12:00 PM 11/5/2022 11:58 AM 9/15/2018 12:11 AM 9/15/2018 12:11 AM 11/5/2022 11:58 AM	Type Systen Systen Systen Systen
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File nar	me: processr.svs		~

5.找到amdppm.sys文件复制粘贴形成副本,再把得到的副本文件amdppm-Co py.sys改名成processr.sys 然后重启主机

← → × ↑ 🔤 « Syst	tem32 > drivers > v	ථ Search drivers	Q
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6.重启完之后cpu频率

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附件下载: Dism10.1.1000.70.zip