

## Limiting TDP Under BIOS for ASUS NUC 14 Pro (Revel Canyon)

The default Thermal Design Point (TDP) of the ASUS NUC Pro 14 (Revel Canyon) Core<sup>™</sup> i5 and i7 motherboard models exceeds the TDP that the Plato RC (Product Code: <u>A-NUC106-M1B</u>) and Newton RC (Product Code: <u>A-NUC105-M1B</u>) were designed for. The two cases are designed to dissipate the heat from a 28W TDP CPU. The following instructions will show how to limit the TDP in the BIOS settings on the ASUS NUC Pro 14 (Revel Canyon) Core<sup>™</sup> i5 and i7 motherboard models.

## **Instructions**

1. Enter the BIOS settings by pressing the F2 function key multiple times as the system boots, until you have entered the BIOS screen.

essor: Intel(R) Core(TM) Ultra 5 125H	System	n Date & Time: 08/06/2024 11:33:14	
Main Advanced Power, Perform	nance and Cooling Security	Boot	
Mala			
Main			Information
System Information			
Processor Type	Intel(R) Core(TM) Ultra 5 125H		
Max Processor Turbo Frequency	4.50 GHz		
Max Processor Non Turbo Frequency	3.00 GHz		
Host Clock Frequency	100 MHz		
L2 Cache	14 MB		
L3 Cache	18 MB		
CPUID	0xA06A4		
Microcode Update Revision	17		
Total Memory Installed	8 GB		
Memory Speed	4800 MHz		
SODIMM 1	8 GB		
SODIMM 2	Not Installed		
Intel ME FW Version	18.0.5.2028		
		Y	
F1 - Help t	- Select Item	F3 - Previous Values	F9 - Optimal Defaults
ESC - Discard and Exit →+	Select Menu	Enter - Select Sub-Menu	F10 - Save and Exit



2. Go to the "Power, Performance and Cooling" tab.



- 3. Select the "External Ambient Temperature Tolerance". Change the setting to "User Defined".
- 4. Change the parameters as follows:
  - Package Power Limit 1 (Sustained): 28
  - Package Power Limit 2 (Burst Mode): 28
  - Package Power Time Window (Tau): 1.00

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Bios version: RVMTL357.0038.2024.0115.1 Processor: Intel(R) Core(TM) Ultra 5 125H	528	Total Memory: 8 GB System Date & Time: 08/06/2024 11:34:2	
Main Advanced Po	wer, Performance and Cooling	ecurity Boot	
Power. Performance and	Cooling		Information
External Ambient Temperati	ure Tolerance User Defined		intornation
wynamic PL± oupport		Intel® process	Turbo Boost Technology will control soor power usage to the Sustained Mode Limit over a moving average time window:
Dynamic PL4 Support		Sustai	ned Mode Time (specified in seconds).
Package Power Limit 1 (Sust [Watts]	ained) 28		
Package Power Limit 2 (Burs [Watts]	t Mode) 28		
Package Power Time Window [Seconds]	(Tau)		
Secondary Pomer wetting			
Performance			
Cooling			
Fan Mode	Custom		
F1 - Help	1 J - Select Item	F3 - Previous Values	F9 - Optimal Defaults
ESC - Discard and Exit	-+	Enter - Select Sub-Menu	F10 - Save and Exit

5. Press the F10 function key to save the settings. The computer will now boot with the new settings.

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	, Performance a	and Cooling			In Courses		
	External Ambiei Dynamic PL1 Su Dynamic PL4 Su Power Package Power I	Save Setup Values Save configuration?					
	[Watts] Package Power I [Watts] Package Power ' [Seconds] Secondary Powe Performance	_	0k	Cancel			
	Looling Fan Mode	Fuctors					