

Advantech AE Technical Sharing Document

Date	2020/ 4 /23	Release Note	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	N/A
Abstract	How to enable CPU Turbo mode in BIOS of UNO-247?		
Keyword	Turbo mode, UNO-247		
Related Product	UNO-247.		

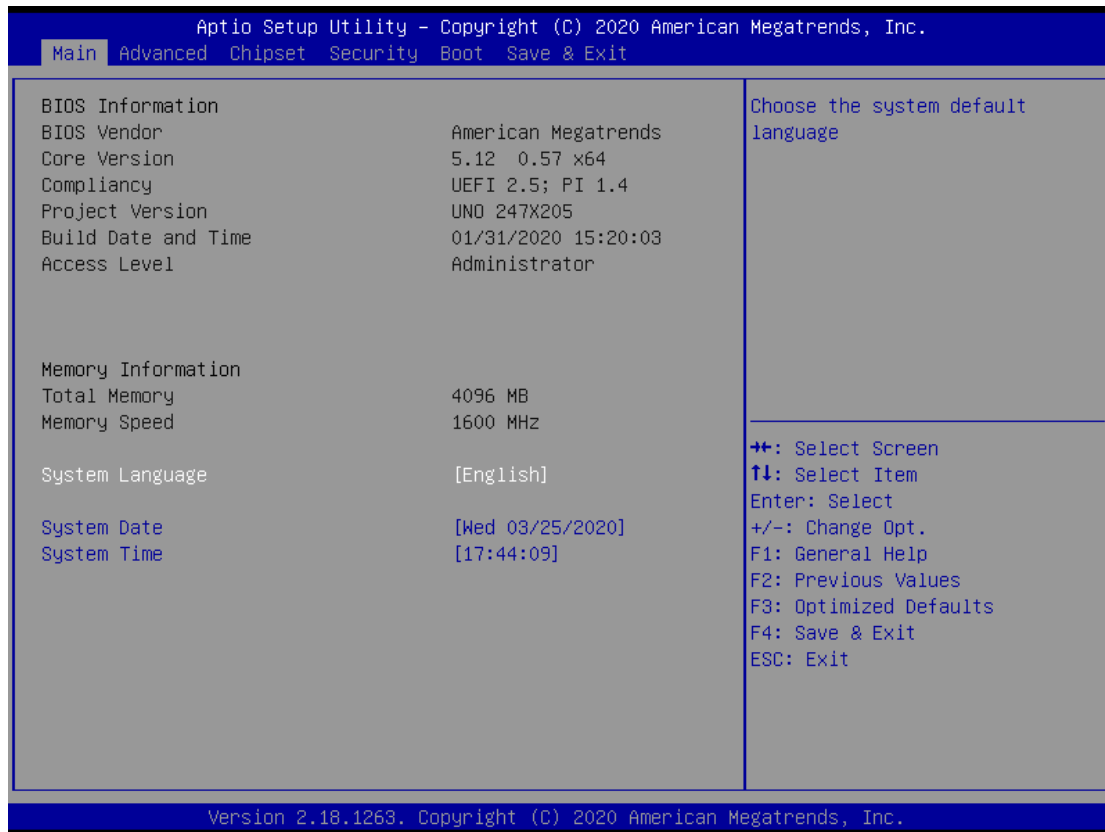
■ **Problem Description:**

CPU Turbo mode is set to “disable” by default in BIOS with version V2.01 or previous ones. It makes basic frequency of CPU to be held at 1.5GHz and could impact performance in some application.

The document introduces users to manually enable CPU Turbo mode in BIOS. Turbo mode will be enabled as default setting in the next standard version.

■ **Brief Analysis and Solution :**

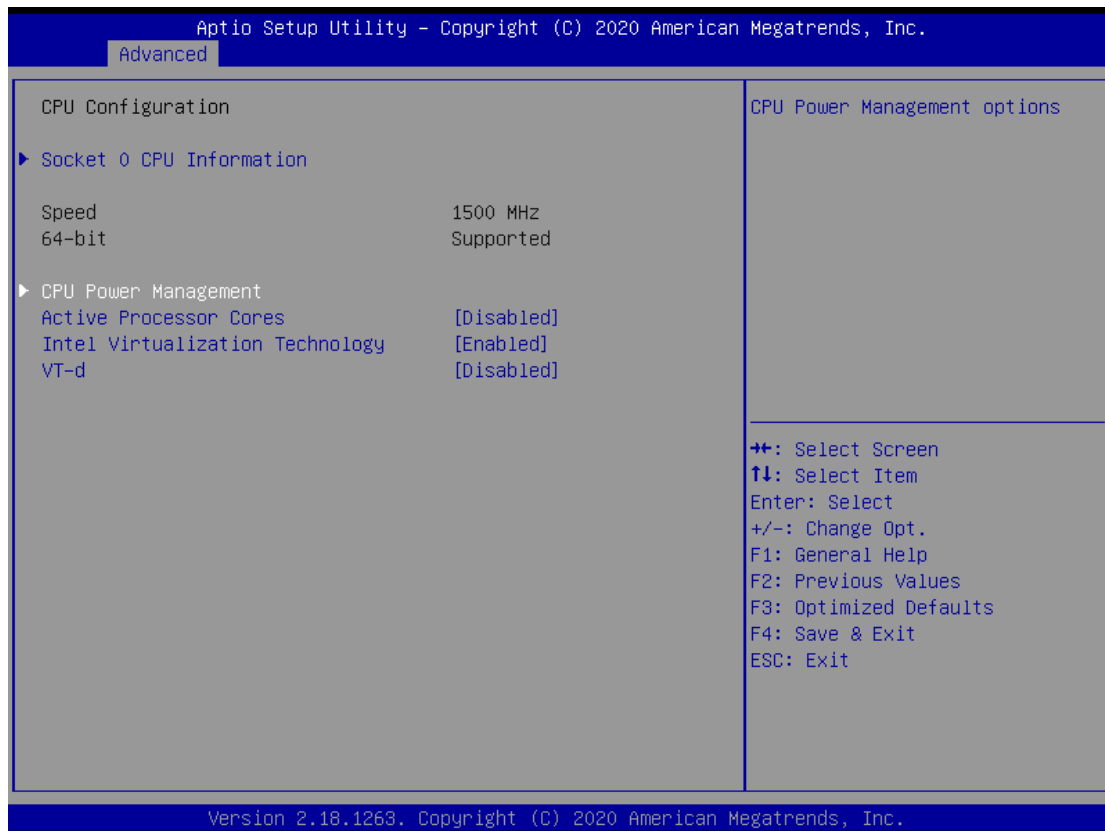
1. Enter BIOS of UNO-247 by pressing “Del” button frequently right after system boot up.



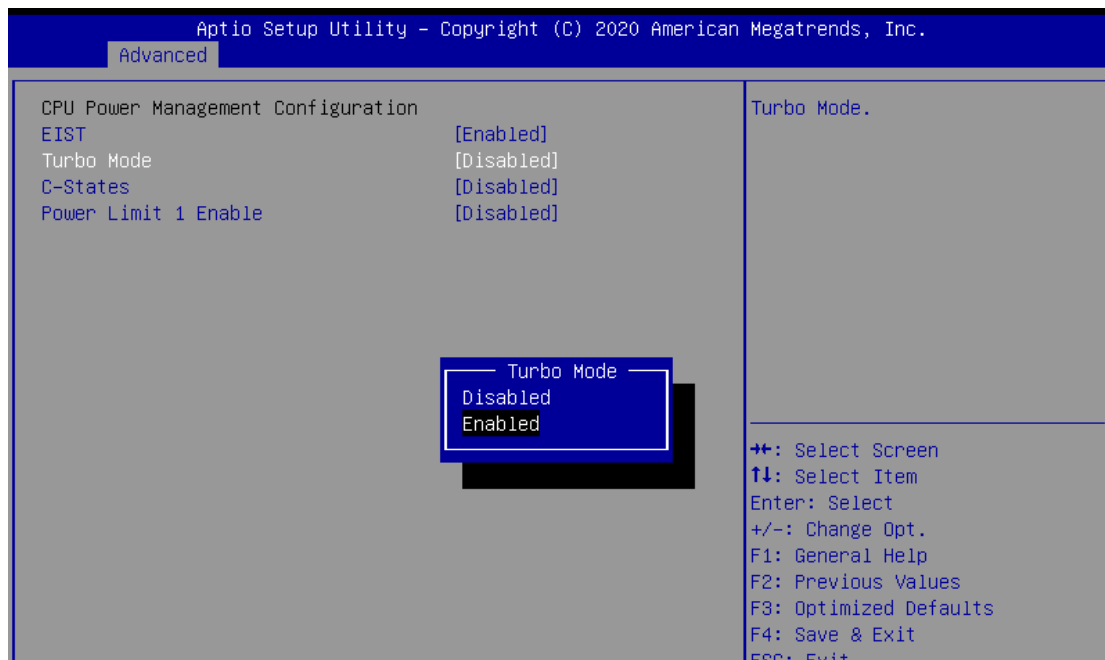
2. Go to "CPU Configuration" in "Advanced" page.



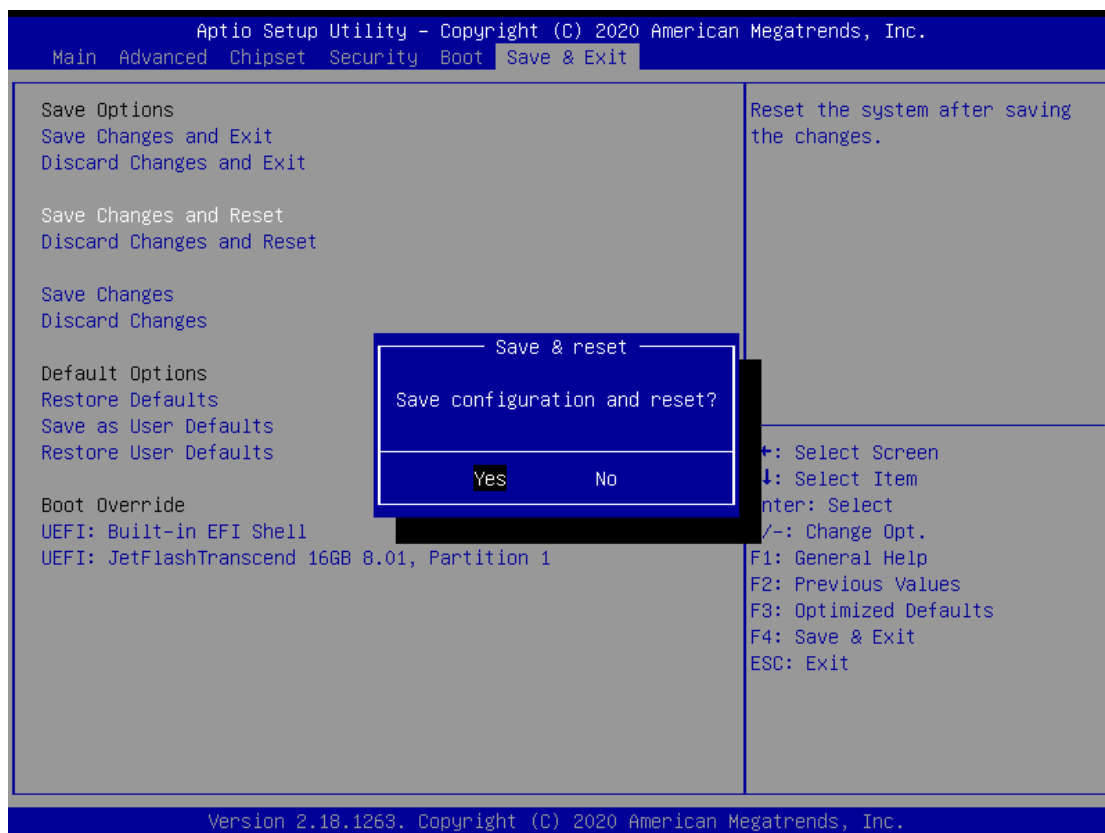
3. Go to "CPU Power Management".



4. Switch “Turbo mode” to “enabled”.

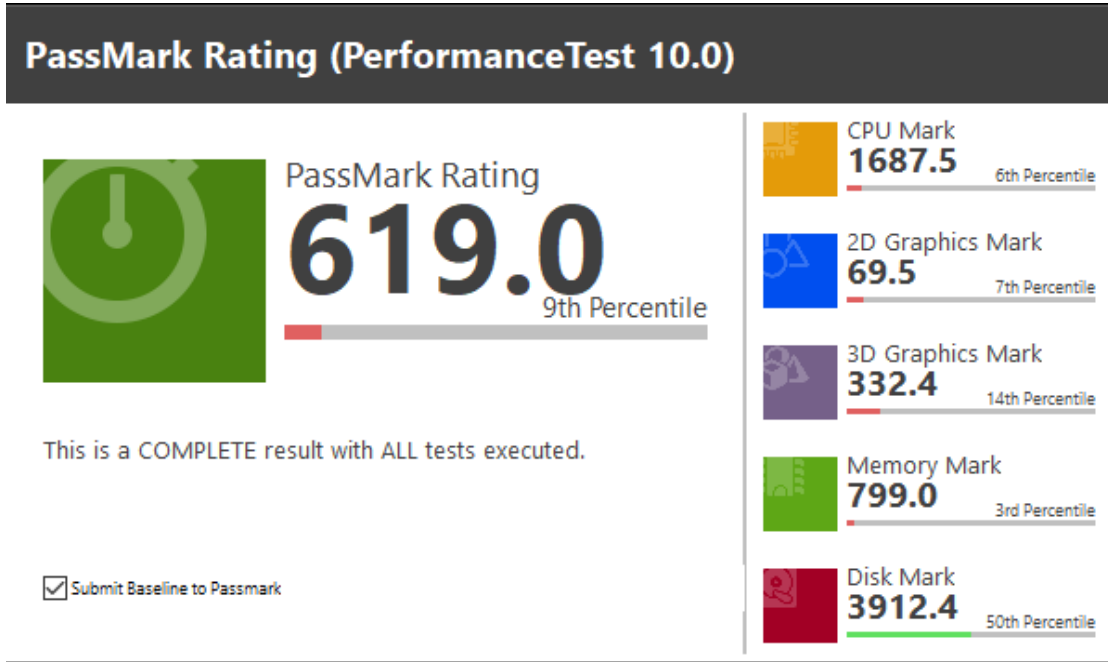


5. After setting, remember to “save changes and reset”. Then system will reboot to activate the change.



■ **Comparison:**

The CPU benchmark scores 1687.5 with CPU Turbo mode disabled.
(BIOS default setting)



CPU benchmark scores 2370 which is much higher after enabling Turbo mode.



■ **Contact Window:**

If you need further information from headquarter, please contact Product AE team.

Region (after service)	Product AE	Backup
America	Edison Hsiung	Tony Cheng
Europe	Tony Cheng	Edison Hsiung
ATW / ACN / AKR	Simon Peng	Jerry Cheng
AJP / Inter-con, etc.....	Jerry Cheng	Simon Peng