

coreboot - Bug #99

Thinkpad T420: Bluetooth indicator light is always on

03/12/2017 09:49 PM - Duncan .

Status:	New	Start date:	03/12/2017
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Commit: df96a702ba98c1b85e8b4657498e76ec9f543447			
The image was flashed to the BIOS region only, leaving the me region, gbe region, etc alone. The entire flash was then dumped, then the me_cleaner script was applied, but the result was to my knowledge the same when I tested the resulting image originally. It is difficult to see how me_cleaner would affect the resulting image, as it doesn't touch Coreboot's code.			
Model: Lenovo Thinkpad T420			
Behaviour:			
1. Basic issue. The bluetooth indicator LED is always turned on as long as the wireless kill-switch is not activated, even though the Bluetooth card was removed from the device. To my knowledge no wireless card is left in, since I disassembled the device in order to flash Coreboot. This includes SeaBIOS, where it should not (to my knowledge) be activated anyway.			
2. Expected behaviour. One would reasonably expect the bluetooth indicator LED not to be turned on until the operating system turns on, as the WiFi card indicator behaves. Removing the WiFi card does not solve the issue (in case the WiFi card has this functionality also).			
3. Comparison with manufacturer firmware. This behaviour was not present in the manufacturer's firmware. The bluetooth card had already been removed when the manufacturer firmware was tested.			
The config is attached as a file.			

History

#1 - 05/20/2017 09:59 AM - Patrick Rudolph

The schematics shows that the Wireless LED is shared between WIFI and WWAN.

Do you have replaced one of them with a custom module ?

Do you have had separate bluetooth card ? Most WIFI cards have integrated bluetooth.

#2 - 05/21/2017 06:05 AM - Patrick Rudolph

Do you have a BDC installed ?

Files

coreboot.config	20.4 KB	03/12/2017	Duncan .
-----------------	---------	------------	----------