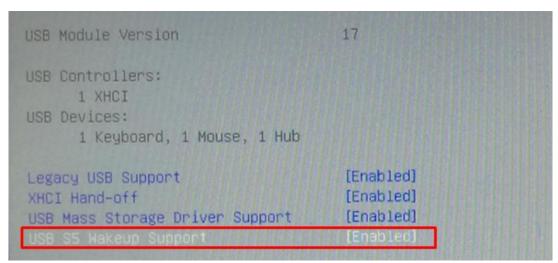


Advantech AE Technical Share Document

Date	2020 / 06 / 02	Release Note	☐ Internal ■ External
Category	■FAQ □SOP	Related OS	Linux
Abstract	After enabling "USB S5 Wake Up", system will automatically boot up after		
	shutting down from Linux		
Keyword	USB S5 Wake Up, auto power on, Linux		
Related Product	SPC-221, SPC-515, SPC-815, SPC-821, TPC-B500, TPC-5212W, TPC-5152T,		
	TPC-5172T		

Problem Description:

If you enable the "USB S5 Wake Up" in the BIOS, you will find that system will automatically boot up after shutting down from Linux OS. From our investgation, the issue does not happen in Windows. Apparently, there is a compatibility issue between "USB S5 Wake Up" and Linux OS on the Skylake platform.



■ Brief Solution:

If you are a Linux user, we recommand following workaround:

- 1. Enable "Wake On LAN" function to wake up the system by LAN
- 2. Use the power relay to wake up the system through power input

Aptio Setup Utility – Copyright (C) 2020 American Megatrends, Inc. Chipset			
Intel PCH RC Version	1.8.0.0	Enable or disable integrated	
Intel PCH SKU Name	PCH–LP Mobile (U) Premium SKU	LAN to wake the system. (The Wake On LAN cannot be disabled	
Intel PCH Rev ID	21/01	if ME is on at Sx state.)	
PCI Express Configuration			
USB Configuration BIOS Security Configuration			
HD Audio Configuration			
Mini PCIE/mSATA Selection	[mSATA]		
LAN A Controller	[Enabled]		
Wake on LAN	[Enabled]	++: Select Screen	
		↑↓: Select Item	