

Release note of ASMedia xHCI controller driver

2012/09/05

Fixed Items:

[Driver Version: 1.16.1.0 to 1.16.2.0]

- 1. System cannot enter S3/S4 under Windows 8 RTM.**
- 2. USB3.0 device got lost or rescan after S3 resume under Windows 8 RTM.**

[Driver Version: 1.14.10.0 to 1.16.1.0]

- 1. ASUS AK1D keyboard / AM1D mouse was lost after resuming from S3/ S4.**
- 2. xHCI 1.0 support.**
- 3. TP Link WN821N / WN722N shows yellow mark in device management.**
- 4. MIS tool shows two device when connects IEI dongle SM325 behind USB3.0 hub which is under ASM1042 down port.**
- 5. All-in-One A14HV occurs BSOD when shuts down with battery mode.**
- 6. ASUS USB3.0 docking was lag with video burn-in test in ASUS K53S/U24E/U82U Notebook.**
- 7. Fix WHCK 2.0 test - USB Exposed Port Controller Test fail**
- 8. Fix WHCK 2.0 test - USB xHCI Runtime Power Management Test fail**

[Driver Version: 1.14.9.0 to 1.14.10.0]

- 1. Fix yellow exclamation mark of mass storage device on Win 8 64bit OS.**

[Driver Version: 1.14.8.0 to 1.14.9.0]

- 1. This driver version supports Displaylink USB3.0 to Video devices with Displaylink driver version 6.2.37116**

2. UAS performance with Cyberslim S1-U3 turbo is lower than BOT mode in F1A75-V Pro platform with onboard ASM1042 (PCIe slot from SB)

[Note]

This issue is solved to match with host firmware version 120406_00_02_63

3. Cannot install TELSTRA USB 4G dongle driver (Sierra Wireless AirCardR 320U) successfully in USB3.0 port and shows device unplugged message.

[Driver Version: 1.14.4.0 to 1.14.8.0]

1. The USB3.0 performance with USB3.0 Flash Corsair Voyager GT USB3 in P9X89 Deluxe (ASM1042 host) is worse than in C4F (NEC host)
2. 3G dongle ZTE MF633 is no internet signal from S4 resume.
3. 3G dongle BandLuxe has no response from S4 resume. System cannot execute 3G AP when device fail. Re-plug device is ok.
4. 4G dongle TELSTRA USB (Sierra Wireless AirCardR 320U) occurs BSoD when install dongle driver in USB3.0 port.
5. Do nothing to DUT then suspend to enter S3/S4, USB3.0 device rescan in ASUS P8Z68 V/Gen3

USB3.0 Device List:

CyberSlim S1-U3S

Seagate FreeAgent GoFlex 500GB STAA500305

6. System cannot wake up from S3 and S4 with SILVERSTONE SST RVM01B USB gaming mouse behind VLI hub

[Driver Version: 1.14.3.0 to 1.14.4.0]

1. There is pop-noise with ASUS Xonar Essence One USB audio amp during playing audio.
2. Playing audio caused AP hang with ASUS Xonar U1 USB station.

[Driver Version: 1.14.2.0 to 1.14.3.0]

1. Pull-out Alcor AU-9540 smart card reader after entering suspend-mode, the device still existed in device manager and caused ASM1042 not functioning.

2. SilverStone SST RVM01B mouse remote wake-up failed via ASM1042.
3. USB devices needed 30 seconds to function after entering Win PE.
4. Improve resuming time via hub to fix WHQL test failure.

[Driver Version: 1.14.1.0 to 1.14.2.0]

1. Upgrade driver version code:

To synchronize the version codes on different release branches, version code from this release is updated to v1.14.x.x

2. The "power management tab" always appears whatever the option "S3 wake up-BIOS" is enabled or disabled
3. Connect VLI hub to USB3.0 root port, disable then enable the VLI Hub stack. System fails to enable.

[Driver Version: 1.12.9.0 to 1.14.1.0]

1. System occurs BSOD when re-plug Dell USB Keyboard SK-8135 in USB3.0 port.
2. System occurs BSOD when execute Win PE to recovery system in ASUS AIO (G440 CPU) Platform.
3. Plug-in TP-Link wireless LAN card TL-WN722N in USB3.0 port shows yellow mark in device manager after installing device driver.
4. Device missing in aging reboot test (Resuming from suspend) in ASUS X79 Platform.
5. There will be fail rate to detect USB2 device via USB3 VLI Hub VLI810 in aging reboot test.

[Driver Version: 1.12.5.0 to 1.12.9.0]

1. Support spin down function
2. Plug-in Getac PDA PS236 shows yellow mark in device manager after mobile center 6.1 driver installation.
3. Support save-restore function
4. Keyboard and mouse S3 wake up fail in MS-AC75 after resuming S4 done

5. Cannot recognize WiBro Modem (SWD-H300K) and shows yellow mark in device management
6. System resuming from S3/S4 occurs BSoD with USB to Serial converter cable plug-in USB 3.0 port
7. System can not recognize USB2.0 device with ASUS AiCharger

[Driver Version: 1.12.5.0]

1. Plug in AD370 TV tuner in USB3.0 port will cause system crash after install AD370 driver and application software.
2. Cancel the power management option of XHCI driver “allow this device to wake the computer”, system still can be woke up by S3/S4.
3. The OS XP will show yellow mark after install USB to COM port device driver (Prolific PL-2303HxD).
4. The system first time S3 wake-up fail with MSI StarType ES500 keyboard.
5. Improve system stability