



INTEL PROSET/WIRELESS WIFI SOFTWARE V18.40.3 HF PV RELEASE

WiFi Software TIC # AHWFW2027G
ww20, 2016

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Important Notes about this Release Package

- Previously a debug driver was provided to customers as needed. The debug driver that corresponds to this package can be found in VIP release #115775 . Please see the DDD slide in the backup section for more detail.
- Please note that there are 2 new releases in this package. 18.40.3 is a Hotfix PV while 18.33.2 is a previously released SP PV.
- The package containing both releases is referred to as 18.40.3 in this presentation

General Information

WiFi Software Build

- TIC # AHFW2027G
- Driver # 18.40.3.3 (INF version)
- VIP Kit # 115558

Software Package Content Notes:

- **This release has WP1/WP2 (3160/7260) and StP2-C0 (7265) branched out. See the software package slide for additional details. Also see the Technical Advisory titled "WP1/2 and StP2-C0 Driver Branching".**
- For Windows 7/8.1 this release contains a unified driver for WP (3160/7260), Stone Peak (3165/7265), and Snowfield Peak (8260). See the software package slide for additional details.

Tested Platforms

- Skylake
 - SKL-Y ULX / SKL-U ULT / SKL-S DT / SKL-H Halo
- Broadwell
- Braswell
- Cherry Trail T4
- Apollo Lake
- Kaby Lake

Supported Hardware

(see hardware identification slide for additional details)

- Sandy Peak / 3168
- Snowfield Peak / 8260
 - SRA, Supplemental QS/C0, QS/C0, ES3/B2
 - M.2 2230 MS and 1216
 - M.2 2230 HE
 - Previously released pre-ES/A0, ES/K0, and ES2/B0 hardware are not supported by this software release
- Douglas Peak / 18260 (WiGig)
- Stone Peak 2 / 7265 C0
 - 2230, 1216 3.3v, and 1216 1.8v
- Stone Peak 2 / 7265 D0
 - 2230, 1216 3.3v, and 1216 1.8v
- Stone Peak 1 / 3165
- Maple Peak / 17265 (WiGig)
- Wilkins Peak 2 / 7260
- Wilkins Peak 1 / 3160
- Legacy Hardware

Supported Operating Systems

(see software package slide for additional per hardware details)

- WP, StP/7265-C0: Windows 7 - 32/64bit; Windows 8.1 - 32/64 bit; Windows 10 - 32/64 bit
 - StP/7265-D0: Windows 7 - 64bit; Windows 8.1 - 64bit; Windows 10 - 32/64 bit
 - Sfp/8260: Windows 7 - 64bit; Windows 8.1 - 64 bit; Windows 10 - 64 bit
 - SdP/3168: Windows 7 - 64; Windows 8.1 - 32/64 bit; Windows 10 - 32/64 bit
- (please ensure platform BKC's are followed)

Software Package Content

Device ID	Win7	Win8	Win8.1	Win10
SdP-3168	18.40.3.3 NetW...S04	N/A	18.40.3.2 NetW...B04	18.40.3.23(WDI) NetW...T04
SfP-8260				
StP1-3165				
StP2-D-7265				
StP2-C-7265	18.33.2.2 NetW...S02	17.16.0 NetW...E02	18.33.2.2 NetW...B02	18.33.2.2 NetW...T02
WP1-3160				
WP2-7260				
JP1-2230	15.17.0 NetW...S01	15.18.0 NetW...E01 (Logo for Win8)		
JP2-6235				
TP-6205				
CyP-105				
CyP+BT-135				
PP3-6300				
PP2-6200		15.17.0 NetW...S01 (Logo for Win7)		N/A
RP2-6230				
MP	15.11.0 NetW...S00	15.12.0 NetW...E00 (Logo for Win8)		
KP				
KsP				
RP1				
CP	15.11.0 NetW...S00 (Logo for Win7)	N/A		
CrP				
CrP2				

Software for StP1, StP2-D0/D1, SfP and SdP adapters based on 18.4x stream

Software for WP1, WP2, StP2-C0 adapters based on 18.3x stream

Release Overview -18.40.3 HF PV

Intel is announcing the **18.40.3 HF PV Release** of the Intel® PROSet/Wireless WiFi Software.

This is a hotfix release to address a specific issue over limited Hardware/OS, see the general info slides for details.

Fixed content includes all fixes from previous releases (through 18.40.2 HF content).

For validation guidance see the WiFi validation guidance later in this deck.

Legacy hardware are included in this release package. See the software package content slides for details.

Software Known Issues and Limitations

ID	Description	HW	OS	Comment
MWG100254902/ MWG100258213	Assert 5010 0x5433 while using Connectify hotspot app Make 3 or 4 clients to connect to Meritage hotspot, play 720p/1080p video streaming may cause "red x".	8260 Sfp	Win10 64 bit	Need discussion with MSFT

Fixed Issues 18.40.3 HF PV / AHWWFW2025G

ID	Title	HW	OS	Comments
MWG100257273/ MWG100257108	Cannot install V18.40 PV successfully with Stone Peak2 SD 1.8V (MM#934460) /WiFi driver update with Release 18.40.0 fails, HW not recognized	StP2	Win10 64 Win7 64	Change to INF
MWG100254385	Low 11ac 80MHz Rx performance OTA for Sandy Peak 3168 SdP	SdP	Win10 64	
MWG100254064	BSOD 0xD1(Win10) when running reboot stress test	SfP, StP2	Win7 64, Win10 64	
MWG100254599	BSOD C2 (Win7)/10) when running reboot stress test	SfP	Win7 64, Win10 64	
MWG100258274	LED behavior not correct at Sandypeak but normal at stonepeak	SdP	Win7 64, Win10 64	

WiFi Validation Information and Guidance

	Testable
	Testable, see notes
	Blocked

	This Release	
Functional Area	18.40.3 HF PV 18.33.2 SP PV	Notes for This Release (see known Issues and Limitations for more details)
WiFi Connectivity		
TPT performance testing		
WiDi / Miracast		
Intel PRO WiDi		
Software RF Kill		
Disable/Enable		
Power consumption testing		
WoWLAN		
Remote Wake		
Sx transitions		
InstantGo (Connected Stby)		
P2P		
AMT and ME/coex		
WiFi/BT Coex		
WiFi Installation / Upgrade		
Win10 OS Upgrade		
Security		
Roaming		
Device WHCK Pass Rate	100%	Microsoft Win10 build TH2 (Build #10586)

WiFi v18.4x Release History

Milestone Release Name	Date	WiFi TIC	WiFi KIT	Sandy Peak / 3168 Sample Support
18.40 MR beta	Released ww05	AHFW1721G	113691	QS/C0
18.40 MR PC	Released ww07	AHFW1776G	113959	QS/C0
18.40 MR PV	Released ww09	AHFW1842G	114406	QS/C0
18.40.1.1 PV HF	Released ww11	AHFW1882G	114655	QS/C0
18.40.1.2 PV HF	Released ww12	AHFW1909G	114658	QS/C0
18.40.2 PV2 HF	Released ww17	AHFW2006G	115290	QS/C0
18.40.3 PV HF	Released ww20	AHFW2027G	115558	QS/C0

18.40/18.41

Schedule, Features and POR
CDI Document # 563133

This Release



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PREVIOUS RELEASE INFORMATION

Notes on the DDD Debug Layout Usage

Included with the user distributed layouts is also a DDD debug layout. This layout incorporates debug capabilities to be used by OEM validation teams to provide logs and information about an issue to Intel engineering..

This layout is not to be included on production systems or to be shared with end-user customers.

To use the DDD layout, follow the instructions below

1). Clean the Windows event log by the following commands with administrator prompt.

`wevtutil cl system`

`wevtutil cl application`

`wevtutil cl Microsoft-Windows-WLAN-AutoConfig/Operational`

2) Install DDD release.

3) Perform test until issue reproduction.

4) Note down the exact time when issue reproduced.

5) Disable WiFi device in the device manager.

6) Copy all files below to share with Intel.

"System.evtx" under C:\Windows\System32\winevt\Logs

"Application.evtx" under C:\Windows\System32\winevt\Logs

"Microsoft-Windows-WLAN-AutoConfig%4Operational.evtx" under C:\Windows\System32\winevt\Logs

"WiFiLog-XXX.log" under C:\

"dddLog_XXX.bin" under C:\Windows\Temp\DDDLogs\

"MurocLog.log" under C:\Program Files\Intel\WiFi\UnifiedLogging\

"MEMORY.DMP" under C:\Windows\System32

18.40 Branch Fix history

Issues No Longer Observed

ID	Description	HW	OS	Comment
MWG100255814	Driver performance BSOD occurred on a selfhost machine	SfP 8260	Win7 64	

Fixed Issues 18.40.2 PV2 / AHFW2006G

ID	Title	HW	OS	Comments
MWG100254766	Long disconnection to AP (for 1 ~ 5min) after exits from CS state - action frame PM	SfP	Win10 64	
MWG100256594	Long disconnection to AP (for 1 ~ 5min) after exits from CS state - Apple AP (due to broken groupcast security after exit from CS.)	SfP	Win10 64	Much lower repro rate with further improvement planned in a future release
MWG100256932	Long disconnection to AP (for 1 ~ 5min) after exits from CS state - Apple AP (illegal miniport transition)	SfP	Win10 64	
MWG100257213	LPM State of Wireless LAN does not enter L1.2 after CS/Res.	SfP	Win10 64	

Fixed Issues 18.40.2.1 PV / AHFW1986G (this release)

ID	Title	HW	OS
MWG100255423	Throughput drop or connection drop happens while surfing internet web site with BT mouse connected	SfP	Win10 64 bit
MWG100255278	WiFi SDK Zero Config Service crashes randomly	All	Win7 32/64
MWG100255382	System cannot connect to WiGiG dock after PM operation with WLAN driver	DgP	Win7 64 bit Win10 64 bit
MWG100255479	Admin tool tabs do not size properly on Win10 RS1 (build 14257)	All	Win 10 RS1
MWG10255383	System cannot connect to WiGiG dock after PM operation with WLAN driver was upgraded from 18.30.1.3 to 18.32.0.5	DgP	Win7 64 bit Win10 64 bit

Fixed Issues 18.40.1.2 PV / AHWWFW1909G

ID	Title	HW	OS
MWG100254111	Intel8260 BT / CPT for BT test fail.	8260 - Snowfield Peak	Win10 64bit
MWG100254112	Intel 3165 BT performance and CPT for BT test fail	AC 3165 StP1	Win10 64bit
MWG100255626	Setting_V3.35_setup_mobile hostpot_BSOD_0xD1/7E/133_Netwtw02.FR:100%	AC 3165 StP1 8260 - Snowfield Peak	Win10 64bit

Fixed Issues 18.40.1.1 PV / AHFW1882G

ID	Title	HW	OS
MWG100255611	[System WHCK] test "Connected Standby Stress with Driver Verifier Concurrency Stress (Logo)" fails with C4 BSOD.	8260 - Snowfield Peak	Win10 64 bit
MWG100248800	[Matrix]Verifier BSOD 0xc4_62_VRF_LEAKED_POOL_IMAGE_wdiwifi.sys occurred while disabling driver during high throughput.[2/22]	8260 - Snowfield Peak	Win10 64 bit
MWG100255533	[1 of 200] BSOD on X64_0xD1_Netwsw04!dpPeerDbGetPsPollInProgress+14 while running S5 cycles	8260 - Snowfield Peak	Win7 64 bit
MWG100254523	[BSOD_0x9F][ndis!ndisQuerySetMiniportEx] BSOD "0x9F" occurred when running WinPVT Standby Focus+AC/DC Cycling test script.	8260 - Snowfield Peak	Win10 64 bit
MWG100254461	[SKL/8260/Win10] Find WLAN icon shows red X on SysTray after S3 resume.	8260 - Snowfield Peak	Win10 64 bit
MWG100255948	[SKL/8260/Win10] WiFi shows red 'X' in the field after sales	8260 - Snowfield Peak	Win10 64 bit

Fixed Issues 18.40 PV / AHWFW1842G

ID	Title	HW	OS
MWG100254895	[SST][BSOD] bug check BE wdiwifi!CMiniportHaltJob	SfP 8260	Win10 64
MWG100252670	MWG100252670 - Wifi device is lost after BT SCO test in HCK testing	AC 7265 StP2	Win8.1 64 bit
MWG100255276	WiFi Direct Proximity Tests - MultiMachine Stress fails due to various pairing errors. [Failed 20+\20+] <reason for 18.40 PV delay>	3168 SdP AC 7265 StP2 8260 - SfP	Win8.1 64 bit
MWG100253014	15% Degradation in Start point in 11AC, 20, band 149, Rx	8260 SfP	Win10 64 bit
MWG100255131	[WiFi][PM][18.40] low acquisition of multicast [repro 4/4]	8260 - Snowfield Peak	Win8.1 64 bit
MWG100252812	[WiFi][PC] Sporadic missed beacons causes NIC to stay in AM 100msec [repro 10/10]	3168 SdP AC 7265 StP2	Win10 64 bit
MWG100253665	[WiFi] [PC] [RLC] Detection and RX of beacons is continuously done with 2 chains	8260 - Snowfield Peak	Win8.1 64 bit
MWG100254400	[WiFi Driver]After resuming from S5 with a session, ME keeps NIC ownership (on S0) more than 5 minutes and getting empty scan list (repro 5/7).	8260 - Snowfield Peak	Win10 64 bit
MWG100253787	[WiFi Driver] After resuming from restart with a session ME keeps NIC ownership (on S0) more than 5 minutes and getting empty scan list (repro 5/5).	8260 - Snowfield Peak	Win10 64 bit Win8.1 64 bit

Fixed Issues 18.40 PC / AHFW1776G

ID	Title	HW	OS
MWG100253447	Propagated from Defect MWG100252439 - 0x1E BSOD	8260 SfP	Win10 64 bit
MWG100252675	Cannot connect AP (NEC Aterm WG1800HP) after CS/Res on 18.32 (WDI Double Peer Indication)	8260 SfP	Win10 64 bit
MWG100253032	WIFI showing red X after resuming from hibernate	8260 SfP	Win10 64 bit
MWG100253309	Low 11ac 80MHz Rx performance OTA	8260 SfP	Win10 64 bit Win7 64 bit
MWG100253126	5002 0x0034 assert while playing internet video on DC POWER	8260 SfP	Win10 64 bit
MWG100250313	DUT doesn't auto-connect to stealth AP after rf-kill/reboot 11ac HB [10/10]	8260 SfP 7265 StP2	Win8.1 64 bit
MWG100252330	BSOD BugCheck 139 when connected to network	7265 StP2	Win10 64 bit
MWG100253658	The NIC shows speed rate as NIC 2x2, instead of 1x1.	3168 SdP	Win10 64 bit
MWG100252776	Fragmented Scan is not supported over Sandy Peak	3168 SdP	
MWG100252835	[WiDi] congested environment in several SCM/DCM getting every few seconds glitches due to Tx underrun (0x84) on RTS -packet drop	8260 SfP	Win10 64 bit
MWG100254035	5010 0x6C43 assert and BSOD 0xc2 using 3rd party app "Connectify hotspot"	3168 SdP 8260 SfP	Win10 64 bit

Fixed Issues 18.40 beta / AHFW1721G

ID	Title	HW	OS
MWG100250051	BSOD_0x3B occurs when open Widi pro after resume from S3	8260 SfP	Win7 64 bit
MWG100238953	Frequent 3 or 4 second loss of WiFi connectivity while roaming.	7260 WP2	Win8.1 64 bit
MWG100250990	WiFi show "Limited" and failed when roaming	7265 StP2	Win7 64 bit
MWG100249865	WiFi Direct function sometimes inoperative	7265 StP2	Win10 64 bit

18.33 Branch Fix history

Release Overview – 18.33.2

This package includes **18.33.2 SP PV Release** of the Intel® PROSet/Wireless WiFi Software.

This software was previously released in AHFW1986.

Fixed content includes all fixes from previous releases (through 18.33.1.2 HF PV content).

For validation guidance see the WiFi validation guidance and Windows 10 feature status slides later in this deck.

Legacy hardware are included in this release package. See the software package content slides for details.

Software Known Issues and Limitations

ID	OS	HW	Description	Comment
MWG100234868	Win8.1	7265	Propagated from Defect MWG100228350: Miracast TpT below KPI in DCM	Fixed in 19.0
MWG100234865	Win8.1	7265	Propagated from Defect MWG100226776: Miracast TpT below KPI in DCM	
MWG100235578	Win8.1	7265	Propagated from Defect MWG100227044: [K-STRESS] HMAC Driver Hang in ctrlRequestMiniportReset	Low reproduction rate 1 occurrence in 7 hours
MWG100238229	Win7 Win8.1	8260 - 7260	[BT-COEX] WiFi Tx/Rx ~20% low while BT paired to HID BLE.	
MWG100238202	Win8.1	8260	[WiFi-BT Coex] WiFi stops traffic in LB when MSC is limited (1,4,5) + A2DP active	

Issues No Longer Observed

ID	OS	HW	Description	Comment
Microsoft Case # 3670396 Intel MWG100242094	Win10	StP/StP	BSOD 7E during Sx cycling test	Windows 10 OS Issue – closed by MSFT
MWG100235814	Win7 Win8.1	7265	[WiDi] WiDi Pairing success rate fails while connected to DFS AP	Confirmed as AT adapter issue. No longer observed once upgraded to new FW (Actiontec 1.3.7)

Fixed Issues 18.33.2 SP PV (This Release)

ID	Title	HW	OS
MWG100252249	Video quality is bad - bit rate is lock at 60KB with Screen Beam Pro adapter] [WiFi] Failed Pairing/Reconnect to Wi-Fi Direct Services	WP2/ StP2	Win10 64
MWG100256135	Miracast Pairing failure due to failing to send PDR	WP2	Win8.1 64
MWG100255883	[WHQL] [WiFi] Wi-Fi Direct Basic Pairing Tests - Functional, failed either Push-Button or Pin method pairing	StP	Win10 32/64
MWG100255278	WiFi SDK Zero Config Service crashes randomly	All	Win7 32/64
MWG100255382	System cannot connect to WiGiG dock after PM operation with WLAN driver	DgP	Win7 64 bit Win10 64 bit
MWG100255479	Admin tool tabs do not size properly on Win10 RS1 (build 14257)	All	Win 10 RS1
MWG10255383	System cannot connect to WiGiG dock after PM operation with WLAN driver was upgraded from 18.30.1.3 to 18.32.0.5	DgP	Win7 64 bit Win10 64 bit

Fixed Issues 18.33.1.4 PV / AHWFW1871G

ID	Title	HW	OS
MWG100255423	<p>Throughput drop or connection drop happens while surfing internet web site with BT mouse connected</p> <p>Improved mechanism for new or re-connected BT device Issue - When BT adds a new device or reconnects to an already paired device, it issues a long and aggressive transmission pattern (inquiry/paging), which causes high PER in ongoing WiFi packet reception. Corrective Action - This was fixed by requesting the AP to apply RTS-CTS to every transaction (aka dynamic SMPS mode), whenever BT is active. Dynamic SMPS mode improves the WiFi packet detection, since WiFi is able to detect RTS (which is transmitted in SISO mode) using the non-shared antenna.</p> <p>Reduced TX power on Wi-Fi control frames (Ack, CTS, RTS) disabled Issue - Intel coex has a feature that reduces the Tx power on control frames, so they can be transmitted while BT receives (i.e. less interference). The feature is applied when WiFi has Tx power headroom (e.g. when data is transmitted with higher MCS, while ACK's are always transmitted with basic rate). Corrective Action - We found that the feature doesn't produce the expected outcome in noisy environment, hence decided to disable the feature. Intel will investigate further to find a better criteria to enable this mode in noisy environments.</p>	SfP	Win10 64

Fixed Issues 18.33.1.3 PV / AHWWFW1823G

ID	Title	HW	OS
MWG100255358	Modern Standby Disconnected Autoconnect Delay (around 60 seconds)	SfP	Win10 64

Fixed Issues 18.33.1 PV / AHWWFW1779G

ID	Title	HW	OS
MWG100254332 MWG100253253 MWG100252675	<p>WLAN becomes disconnected during Connected Standby System black screen with WiFi app connected during CS+S4 stress (BSOD_9F) Cannot connect AP after CS/Res (WDI Double Peer Indication)</p> <p>The three above reported issues share the same root cause and corrective action. The impacted Flow is Connected Standby connectivity. Root cause is the D3Cold capability in CS was not enabling in certain scenarios (Sx cycling), preventing entering CS mode. Correction action was to add a remove peer indication to the OS before the second add peer indication when returning from CS.</p>	SfP StP	Win10

Fixed Issues 18.33 PV / AHWFW1729G

ID	Title	HW	OS
MWG100245199	FATAL_ERROR: uCode ASSERT (rtStatus = 0xC)	StP2	Win10 64, Win8.1 64
MWG100252666	BSOD D1 occurs when attempting to create/ connect/ disconnect a AdHoc network	SfP	Win7 32/64
MWG100252453	(0xDEAD039E BSOD occurred while running HS3 reliability test	StP1	Win10 64
MWG100252439	0x1E BSOD occurred during testing	SfP	Win10 64
MWG100251163	0x1E BSOD occurred on S3 Test and on idle state.	StP1	Win10 64
MWG100250658	0x7E BSOD when use the Mobile hotspot	SfP	Win10 64
MWG100251931	0x133 BSOD occurred on S3 Test and on idle state	StP1	Win10 64
MWG100250182	5005 0x1FC4 assert sometimes occurs while connected to AP, running Sx States	SfP	Win10 64
MWG100250795	WiFi driver waking up and sent back to D3 every 1[sec] by OS [5/5]	StP2	Win10 64
MWG100248752	CS exit latency doesn't meet target time for WiFi driver (<50ms)	SfP	Win10 64
MWG100246072	[CSME][CS]:When opening a KVM/SOL/IDER session in CS mode-the session doesn't open & ME doesn't take control. (Repro 7/10)	SfP	Win10 64
MWG100252958 MWG100252918 MWG100253583 MWG100253166 MWG100253488 MWG100252076 MWG100252455 MWG100251594 MWG100252381	BSOD D1 when running S3/S4 stress BSOD D1 happens during the system connected to WiDi plays movie file. BSOD D1 while reboot & hybrid shutdown cycle test.	SfP WP StP	Win8.1 Win10 64 Win7

Fixed Issues 18.32.1 PV / AHWFW1659G

ID	Title	HW	OS
MWG100252861	After resume from s3, sometimes only one AP appears on list and ping fails to that AP	StP/SfP	Windows 7 Windows 8.1 Windows 10

Fixed Issues 18.32 PV / AHWFW1650G

ID	Title	HW	OS
MWG100249604	Wifi shows only few APs that is using same channel that currently connected after system S4	SfP	Win7 64
MWG100250654	Sometimes scan failure occurs after S3	StP2	Win7 64
MWG100249067	Ping failure happened when connect to Cisco AP (AIR-CAP3602-K-K9) WPA2-Enterprise	SfP	Win10 64
MWG100251021	Aux port connection fail with Anritsu AP	SfP	Win10 64
MWG100238830	[CSME] After resuming from restart with a session, the session gets closed sporadically.(60%).	SfP, WP2	Win10 64, Win8.1 64
MWG100250542	Wi-Fi connection sometimes will change to limited service.	SfP	Win7 64, Win10 64
MWG100249201	[DCM] 5002 0x100C assert while connected to WiDI adapter with idle or play video	SfP, StP1	Win10 64
MWG100250085	DRTU: BSOD when transmit wifi TX after disable/enable wifi core	SfP	Win10 64
MWG100250086	DRTU: BSOD when disable driver, if TX transmit was not stopped	SfP	Win10 64
MWG100251372 MWG100251367 MWG100251835 MWG100251288 MWG100250817	Sometimes BSOD 0x133 occurs during Sx cycle testing	SfP	Win10 64
MWG100250887	[apps/WiDi] Invalid SSID length in discovery request	All	Win7
MWG100247044 MWG100247636 MWG100248584	[apps/installer] WLAN driver can not setup&silent install after uninstall it in device manager [apps/installer] Overwrite preload driver with the same driver via setup.exe, modify option is missing, and shows "Unknown device" in DM [apps/installer] Device Manager show inbox driver version after repair Intel Wireless Software	All	Win10
MWG100249963	Device WHQL: NDISTest 6.5 - WlanFuzzTests_cmh, while scanning device failed to handle injected corrupted probe responses from AP	SfP	Win7 32/64, Win8.1 64
MWG100252609	Device WHQL: WHQL NDISTest 6.5 – WLANMPE, BSOD during suspend flow	SfP	Win7 32/64, Win8.1 64

Fixed Issues 18.31 PV / AHWFW1592G

ID	Title	HW	OS
MWG100239089	Bugcheck 9F WifiBus – IRP not completed in time in Sx cycling	SfP	Win7 64, Win10 64
MWG100250269	WiFi show red 'X' after S4 cycling	SfP	Win10 64
MWG100250667	[BSOD_0x7E][Netwtw02!VMacGetMacIndex] 0x7E BSOD while HybridShutdown cycling test.	SfP	Win10 64
MWG100249878	[WiDi] uCode Assert 5002 0x0071 on WiDi Disconnect	SfP, StP2	Win10 64
MWG100249218	OEM Tools - DRTU : SfP, ucode assert during transmit tx	SfP	Win7 32
MWG100249240	OEM Tools - DRTU : SfP, DeviceIOControl failed (error 21) while transmitting MIMO 5GHz modulated Tx power=15	SfP	Win7 64
MWG100247132	BSOD 0x7E when run system on off S3 S4 .	SfP	Win10 64
MWG100248951	After Sleep/Resume cycle, scan list is 1) empty, or 2) not refreshed from previous location.	StP2	Win8.1 64
MWG100247318	After boot, WiFi adapter fails (DevMgr -> This device cannot start (Code 10))	StP2	Win10 64
MWG100240028	17.16.1 HF does not update over previous driver 16..6.0.8: YBI Code 10 after reboot on Win8.1 64b Japan	WP2	Win8.1 64
MWG100249406	5002 0x2092 WiFi crashes on the way up when system is exiting connected standby	SfP, StP2	Win10 64
MWG100242256	The video/BT lags with Miracast connection then connect to BT devices.	StP1	Win10 64
MWG100244414	The sound is intermittent from BT headset when played music with Miracast device connected	StP2	Win10 64
MWG100244331	BT headset occurs lags and sometimes auto disconnect Miracast/WiDi when play online video via Miracast/WiDi.	StP1	Win10 64
MWG100244322	BT mouse cursor is lag and the sound from BT headset is breaking up when system active with Miracast	StP1	Win10 64
MWG100242765	BT mouse occurs lag with WiDi connected.	StP1	Win10 64
MWG100246385	WiDi play video lag and BT devices can't work smoothly when connect to BT device	StP1	Win10 64
MWG100249289	Voice/mouse cursor not smooth when connect BT Headset or Mouse which connected WiDi successful.(FR:50%).	StP1	Win10 64
MWG100246249	BSOD_AV_Netwbw02!prvTidQueueRemoveReadyHead_while doing RxTx, data throughput	All / All	All

Fixed Issues 18.30.1 PV2 / AHWWFW1562G

ID	Title	HW	OS
MWG100250150	BSOD_0xD1 while doing Sockperf long run based on 11ac Mode	7265 8260	Windows 10

Fixed Issues 18.30.1 PV1 / AHWF1509G

ID	Title	HW	OS
MWG100249316 MWG100249312 MWG100249349	<p>[BSOD 0x133][Netwtw02!nalCsrWaitRegBitsConfigStallEx+94] BSOD after turning airplane mode off on logon screen. Wifi cannot scan APs with uCode 5002, 5005 errors after turning Airplane mode off.</p> <p>[SWRFBKILL][sysassert_0x2B12] Wifi cannot scan APs with uCode 5002, 5005 errors after system S4.</p> <p>These three issues share same root cause and fix: In the case where the driver goes into suspend with WiFi off and when in suspend the device has power removed – upon resume, the init firmware image is not loaded. Fix is a correction in firmware coding to load the init image in this case.</p>	8260	Windows 10

Fixed Issues (1) 18.30 / AHWFW1458G

ID	Title	HW	OS
MWG100244795	BSOD occurs when change Windows Mode of WLAN to "802.11a" only.	StP2	Win10 64
MWG100242427	"9F" BSOD when run Sx Cycle stress testing	StP2	Win10 64
MWG100242428	"9F" BSOD occurred when run Sx Cycle stress testing	StP1	Win10 64
MWG100246161	0x9F BSOD happens while system runs S3/S4/Reboot stress test.	SfP	Win10 64
MWG100238450	WLAN device disappears after BIOS PLDR.	StP2	Win10 64
MWG100238029	WFD connection fails when the PeerFinder.PeerRole is interchanged between two devices	StP1/2, WP1/2	Win10 64
MWG100245099	Bluetooth Headphone sound is unsmooth during video playback with WiDi connected	SfP	Win10 64 Win7 32/64 Win8.1 64
MWG100243552	Audio will be lag from BT headset when WiDi connected	SfP	Win10 64
MWG100242539	BT Mouse or Keyboard or headset will lag when online video with Multi-devices connected.	SfP	Win10 64
MWG100246514	When using WIDI, found BT audio distortion after paired with BT headset/speaker.	SfP	Win7 64
MWG100247162	Audio output was intermittent from BT speaker/headset when WiDi is connected.	SfP	Win10 64
MWG100246699	Red X after enable Wifi via hotkey (HWRFKILL) when reboot with Wifi disabled	StP1	Win7 32/64

Fixed Issues (2) 18.30 / AHWF1458G

ID	Title	HW	OS
MWG100247581	Sometimes 8260 WLAN network will show red X in system tray on S3 Stress Test	SfP	Win10 64
MWG100246141	BSOD D1 is occurred on S3 Stress Test	StP2	Win10 64
MWG100244583	BSOD errors happen while system s3 stress test	SfP	Win10 64
MWG100247528	Red "X" after turn off airplane mode when open airplane mode and do restart.	StP1	Win10 64
MWG100247751	Cannot enable WLAN RF on StP1 after restart on Win10	StP1	Win10 64
MWG100248675	BSOD 0xC2 occurred while turning wifi off from mobility center.	SfP	Win7 32
MWG100242187	BSOD during S4 stress testing	SfP	Win10 64
MWG100242186	BSOD during S3 stress testing	SfP	Win10 64
MWG100245804	Cannot auto resume from S3 when run system on/off S3/S4 stress test	SfP, StP1	Win10 64
MWG100242371	Cannot auto connect WLAN after resume from restart.	SfP	Win10 64
MWG100235484	[WiDi] First Time Pairing takes sometimes ~20 seconds	StP	Win7
MWG100248813	Wi-Fi not advertising D3 Cold support and Wake from RTD3 causes bug check 0x7E	StP2	Win10 64

Snowfield Peak / 8260 Samples Identification

- 1) **Label** – see picture example with TA# to the right
- 2) **Software** – iBTver utility is available which will display the Si stepping of an installed adapter
 - Ask your wireless TAM for the technical advisory describing how to obtain and use the iBTver utility.

Note:

By design, this Beta2 Update WiFi SW will present a Yellow Bang in Device Manager if executed over Snowfield Peak preES/A0, ES/K0, and ES2/B0 hardware. This was purposely done to avoid wasted validation effort and issues worked/submitted because of using incorrect HW. **So if a YB encountered, check for correct HW first.**

8260 Sample	Stepping	TA #
Pre-ES	A0	H51166-003
ES	K0	H40395-005 H60839-001 H60836-001
ES2	B0	H54376-003
ES3	B2	H54376-006
QS	C0	H69709-001 H69711-001 H69712-001 H69714-001 H74659-001 H74660-001 H69710-001 (1216) H69713-001 (1216)
Supplemental QS	C0	H86028-001 (2230) Red Dot on Label (1216)



Example:
Snowfield Peak / 8260
ES3 / B2 2230 MS
TA # H54376-006

Sandy Peak / 3168 Samples Identification

Label – see picture example with TA# to the right

3168 Sample	TA #
QS	J17290-001
	J17352-001
	J17784-001
	J17786-001
	J17790-001
	J17800-001
	J17836-001
	J17839-001

Product Label P/N: G87073-002



OEM Labelbarcode ScanContent

3413E84FA5AB056WZJ17290001
GXXXX0X779Z0QCXXXXXXXXXXXXXXXXXXXXXXX



Barcode Content

How to identify a Stone Peak 2 C0-SKU in the system (vs. a StP2-D0 or D1 sku)?

- The StP2-C0 SKU (Intel® Dual Band Wireless-AC 7265 – C0 sku) can be identified using the Details tab in Device Manager.
- In the Details tab, select the 'Hardware Ids' (1) string in the Property field.
- The REVID parameter (2) will indicate if a StP2-C0 card is present in the system.
- The following REVIDs indicate a StP2-C0 SKU:
 - REV_3B
 - REV_43
 - REV_48
 - REV_50
- If REVIDs are not in list above then the adapter is a D step



