



INTEL PROSET/WIRELESS WIFI SOFTWARE V19.80.0.100 PV RELEASE

CCG Wireless Marketing
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Release Overview

Intel is announcing the 19.80.0.100 Production Version (PV) release of the Intel® PROSet/Wireless WiFi Software

- This version is a PV version to support KBL platforms and a maintenance release that addresses known issues reported in previous 19.x versions.
- This software package includes updates to: 19.80.0.100 and 18.33.8.2 drivers for the following devices: WsP, SfP, SdP, StP, WkP
- This release contains certified drivers for Windows 10 Creators Update (RS2)

General Information

WiFi Software Build

- WiFi TIC STHWFW1690_19.80.0.100
 - Includes 19.80.0.100 for Win10 RS2 (WsP/SfP)
 - Includes 19.10.6.2 for Win7,8.1 (WsP/SfP/StP/SdP)
 - Includes 18.33.8.2 for Win7,8.1,10 RS2 (WP1/WP2/StP-C)
- VIP Kit #124045

Tested Platforms

- KBL-R, KBL-Y/U, KBL-S, KBL-H, SKL-Y/U, APL, BDW-Y/U

Supported Operating Systems

(see layout slide for more details)

Supported Hardware (see layout slide for more details)

- WsP
- OkP
- SfP
- DgP
- SdP
- StP2 (C0/D0/D1)
- StP1
- MpP
- WP2
- WP1
- Legacy HW

OS Wireless HW	win7 32/64 bit	win8.1 32/64 bit	win10 32/64 bit
Windstorm Peak 8265 skus	V	64	64
Oak Peak 18265 skus	V	64	64
Sandy Peak 3168 skus	V	V	V
Pine Peak 11000 skus	V	64	64
Lightning Peak 8x70 skus	V	64	64
Snowfield Peak 8260 skus	V	64	64
Douglas Peak 18260 skus	V	64	64
Stone Peak 2 7265 skus	V	V	V
Stone Peak 1 3165 skus	V	V	V
Maple Peak 17265 skus	V	64	64
Wilkins Peak 2 7260 skus	V	V	V
Wilkins Peak 1 3160 skus	V	V	V

19.80.0.100-PV Release –WiFi Package Layout

Starting with the 19.0 WiFi release, the SW package content changed:

- 1) The Windows 8.0 drivers for Wilkins Peak and newer adapters removed from the package
- 2) The 15.11 and 15.12 drivers for several older Legacy products removed

The latest drivers for these products will continue to be available for customer download on downloadcenter.intel.com.

Drivers that were removed from the package since 19.0 are indicated by the red areas.

The **Blue** areas indicate the new SW in this release (e.g 19.80.0.100 and 18.33.8.2) all other drivers included in the package from previous release.

n=32bit w=64bit. Some HW support only 64bit

	Win7-32/64	Win8-32/64	Win8.1	Win10
WsP/8265	19.10.6.2 NetWS(n/w)04	N/A	19.10.6.2 NetWB(n/w)04	19.80.0.100 NetWT(n/w)06/ NetWT(n/w)04
SfP/8260				
SdP/3168		17.16.0.X NetWE(n/w)02	18.33.8.2 NetWB(n/w)02	18.33.8.2 NetWT(n/w)02
StP1/3165				
StP2-D/7265				
StP2-C/7265				
WP1/3160				
WP2/7260	18.33.8.2 NetWS(n/w)02			
JP1/2230	15.17.0.X NetWS(n/w)01	15.18.0.X NetWE(n/w)01 (Logo for Win8)		
JP2/6235				
TP/6205				
CyP/105				
CyP+BT/135				
PP3/6300		15.17.0.X NetWS(n/w)01 (Logo for Win7)	N/A	
PP2/6200				
RP2/6230				
MP/2200	15.11.0.X NetW...S00	15.12.0.X NetW...E00 (Logo for Win8)		
KP/6250				
KsP/6150				
RP1/1030				
CP/1000		15.11.0.X NetW...S00 (Logo for Win7)	N/A	
CrP/100				
CrP2/130				

New features

Feature /DCR ID	Description	OS
5166	Customer specific DCR	SfP,WsP/Win10

Corrected Customer Issues since 19.71.0.100

19.80.0.100 driver only

Key	Summary	OS/HW
WIFIWIN-2540	WLAN (Ver:19.70.0.4) card cannot be set up in Mobile hotspot 5G after connecting to 2.4GHz AP	Win10/SfP,WsP
WIFIWIN-2405	Red X issues fix - No WiFi Network found in Network list and Red X mark in WLAN icon in the system tray	Win10/SfP,WsP
WIFIWIN-2556		
WIFIWIN-2557		
WIFIWIN-2316	8265 Ch149 far range cond. throughput is worse than competitor when 5G power is set 14.5/9/6.5dbm	Win10/SfP,WsP
WIFIWIN-3152	[KBL-R/8265/RS2][Performance] TX throughput abnormal during high attenuation to low attenuation	Win10/SfP,WsP
WIFIWIN-3066	[KBL/8265/RS2] System show limited connectivity in wlan icon and No WiFi Network found in Network list after resume from sleep while connecting to another AP	Win10/SfP,WsP
WIFIWIN-2976	Red X appears after S3 resume intermittently	Win10/SfP,WsP
WIFIWIN-2761	[BSOD_0xD1][Netwtw06!VMacIsActive]Occurs after 1 to 2 min of activating miracast receiver application.	Win10/SfP,WsP
WIFIWIN-2706	[KBL/8265/WIN10][BSOD 0x9f][nt!PnpBugcheckPowerTimeout+0x60] occurs during MSD session	Win10/SfP,WsP
WIFIWIN-2670	[Win7/RS1] Can not connect Cisco 1200 AP after resume from S3 (Cloned from WIFIWIN-1797)	Win10/SfP,WsP
WIFIWIN-2478	[KBL-R/8265/RS2] Can't Wake on WLAN when SUT in S5 state *Wake on magic packet only*	Win10/SfP,WsP
WIFIWIN-2223	Customer Specific issue	Win10/SfP,WsP
WIFIWIN-3248	[BSOD 0x9F][0x9f_4_netwtw06_image_pci.sys] During S5 Mode(Restart)	Win10/SfP,WsP
WIFIWIN-2977	System does not output tx power after s3 resume when using Anritsu	Win10/SfP,WsP

Corrected Customer Issues since 19.51.4.2

19.51.5.3 driver only

Key	Summary	OS/HW
WIFIWIN-3153	[BSOD_0x7E][Netwtw04!oscWdiSendUnsolicitedIndication+0x25] BSOD occurred during Burn In Test	Win10/StP,SdP
WIFIWIN-2340	[BSOD 0x9F][0x9F_4_Netwtw04_IMAGE_pci.sys]Blackscreen(backlight off) with 0x9f BSOD occurred during run WinPVT 8.0C Standby Critical Focus test.	Win10/StP,SdP

Corrected Customer Issues since 18.33.7.3

18.33.8.2 driver only

Key	Summary	OS/HW
WIFIWIN-2075	[Win7][BSOD D1][Netwsn02!prvDumpTxFifo+0x249] BSOD D1 issue while connected to WiFi	Win7,Win8.1, Win10; WP1/2,StP-C
WIFIWIN-2203	[7260/Win8.1][BSOD_0x9F_4_Netwbw02_IMAGE_pci.sys](DRIVER_POWER_STATE_FAILURE) occurs	Win7,Win8.1, Win10; WP1/2,StP-C
WIFIWIN-2973	[7260: Win7] Occasional BSOD	Win7,Win8.1, Win10; WP1/2,StP-C
WIFIWIN-2464	[SKL/7260/Win7-64] Cannot connect to specific AP after resume from S3	Win7,Win8.1, Win10; WP1/2,StP-C
WIFIWIN-2999	[7265/RS2][BSOD 0xC1][Netwtw02!memFree] BSOD after connecting to 32 characters SSID then idle for 5 minutes or more and with broadcast disabled or enabled in AP with verifier ON	Win7,Win8.1, Win10; WP1/2,StP-C
WIFIWIN-989	[7265-C: Win7]: Occasionally loss of wireless connectivity while roaming.	Win7,Win8.1, Win10; WP1/2,StP-C

Known Issues resolved in 19.80.0.100

Jira	Description	OS	Recovery procedure
WIFIWIN-1422	High power consumption measured after platform resuming from S3 in Air Plane Mode.	Win10	N/A
WIFIWIN-1618	[QOS Functionality] WMM Capability test failed due to Incorrect QOS category TpT Priority	Win10	N/A
WIFIWIN-1831	[MiraCast][Func] [RS2] Miracast disconnection occurred when pressing Win+K after ~1 min of Idle state machine[20\20] – RS2 issue	Win10	Reconnect
WIFIWIN-1832	[MiraCast][Func] [RS2] Miracast Black screen on the projecting screen on duplicate\extend mode [3\15] – RS2 issue	Win10	Reconnect adapter or change project mode
WIFIWIN-2059	[Miracast][AV_Quality] Occasionally low miracast TX TpT when streaming video in DCM to GO adapter	Win10	N/A
WIFIAMT-215	[WiAMT] Occasionally no WEBUI connectivity, after moving to CS state	Win10	N/A

Note: Previously known issues mentioned in table above fixed or no longer observed

Known Issues resolved in 19.51

Jira	Description	OS	Recovery procedure
WIFIWIN-1831	[MiraCast][Func] [RS2] Miracast disconnection occurred when pressing Win+K after ~1 min of Idle state machine[20\20] – RS2 issue	Win10	Reconnect
WIFIWIN-1832	[MiraCast][Func] [RS2] Miracast Black screen on the projecting screen on duplicate\extend mode [3\15] – RS2 issue	Win10	Reconnect adapter or change project mode

Note: Previously known issues mentioned in table above fixed or no longer observed

Software Known Issues and Limitations in 19.80.0.100

Jira	Description	OS	Recovery procedure
WIFIWIN-114	WIFI_BT COEX: Low BT OPP Tx/Rx (~20%) while wifi traffic	Win7/ 8.1/10	N/A
WIFIWIN-1614	[Miracast] Packet drops observed in clean RF chamber	Win10	N/A
WIFIWIN-2268	[MiraCast] Occasional Miracast Disconnection after pair with client adapter	Win10	Disable-Enable driver or reboot
WIFIWIN-2270	[Miracast] Miracast over infra connection established over P2P after S3 on Sink side - RS2 OS issue	Win10RS2	Disable-Enable driver or reboot
WIFIWIN-2021 WIFIWIN-3233	[Miracast] Occasional disconnection of video streaming to GO sink adapter	Win10	Reconnect Miracast
WIFIWIN-2331	[SoftAP] Occasionally Hotspot turns off during 8-clients SoftAP session	Win10	Reconnect SoftAP
WIFIWIN-3059	[Miracast] Occasional disconnection upon Platform resume from Sx and Miracast reconnection.	Win10	Reconnect Miracast
WIFIWIN-3307	[SoftAP] Rarely hotspot crashes after long tethering via LTE.	Win10	Driver disable/enable or platform reboot.
WIFIWIN-3190	When connected in WEP security in resume from D3 a RedX will occur	Win10	N/A

Software Known Issues and Limitations 19.51

Jira	Description	OS	Recovery procedure
WIFIWIN-301 WIFIWIN-1241	[Miracast] Occasionally disconnection from adapter during Miracast session	Win10	
WIFIWIN-1618	[QOS Functionality] WMM Capability test failed due to Incorrect QOS category TpT Priority	Win10	N/A

WiFi Validation Information and Guidance

Domain	Risk Indicator	Details
Connectivity		
Platform		
Data Path \ TpT		
BT-Coex		
WiFi Device Power		
Miracast		
WiAMT		
Cert		

Legend:

	Broken, Not usable
	Usable, major issues exist
	Usable

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.
wevtutilcl system
wevtutilcl application
wevtutilcl 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 WiFidevice in the device manager.
- 6) Copy all files below to share with Intel:
 - I. "System.evtx" under C:\Windows\System32\winevt\Logs
 - II. "Application.evtx" under C:\Windows\System32\winevt\Logs
 - III. "Microsoft-Windows-WLAN-AutoConfig%4Operational.evtx" under C:\Windows\System32\winevt\Logs
 - IV. "WiFiLog-XXX.log" under C:\
 - V. "dddLog_XXX.bin" under C:\Windows\Temp\DDDLogs\
 - VI. "MurocLog.log" under C:\Program Files\Intel\WiFi\UnifiedLogging\
 - VII. "MEMORY.DMP" under C:\Windows\System32

Abbreviations

Acronym	Description	Intel formal code name
KbL	Kaby lake platform	7 th Generation Intel Processor
WsP	Windstorm peak	Intel(R) Dual Band Wireless-AC 8265
SdP	Sandy Peak	Intel(R) Dual Band Wireless-AC 3168
StP-2	Stone Peak-2	Intel(R) Dual Band Wireless-AC 7265
StP-1	Stone Peak-2	Intel(R) Dual Band Wireless-AC 3165
SfP	Snow field Peak	Intel(R) Dual Band Wireless-AC 8260
WkP-2	Wilkins Peak 2	Intel(R) Dual Band Wireless-AC 7260
WkP-1	Wilkins Peak 1	Intel(R) Dual Band Wireless-AC 3160
OkP	Oak Peak	Intel® Tri-Band Wireless 18265

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