



Intel® PROSet/Wireless WiFi Software v15.1.1
Production Version (PV) Release Announcement
Software TIC # THWFW0927

PCCG Wireless Marketing

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- Intel® Centrino® Advanced-N 6205
- Intel® Centrino® Wireless-N 1030
- Intel® Centrino® Advanced-N 6230
- Intel® Centrino® Ultimate-N 6300
- Intel® Centrino® Advanced-N 6200
- Intel® Centrino® Advanced-N + WiMAX 6250
- Intel® Centrino® Wireless-N + WiMAX 6150
- Intel® WiFi Link 1000
- OS: Microsoft® Windows Vista* (Vista32, Vista64,...)
- OS: Microsoft® Windows XP* (XP32, XP64,...)
- OS: Microsoft® Windows 7

Agenda

- Release Overview
- General Information
- Supported Platform/Hardware/OS
- Known Issues, Changes, and Behaviors
- Issues Corrected
- Guidelines

Release Overview

Intel is announcing the release of the **Production Version (PV) software** release of the **Intel® PROSet/Wireless WiFi Software v15.1.1**.

The purpose of this release is provide correction for certain technical issues.

Announcing v15.1.1 PV Release

General Information

- WiFi Build:
 - TIC # THWFW0927G
 - Driver # 15.1.1.1
 - VIP Kit # 44067
- Tested Platforms
 - Chief River CRBs
 - Huron River and Chief River Platforms

2012 Hardware Product Naming

Intel® Centrino® Wireless-N 105	Canyon Peak / CyP
Intel® Centrino® Wireless-N 130	Canyon Peak + Bluetooth / CyP+BT
Intel® Centrino® Wireless-N 2200	Marble Peak / MP
Intel® Centrino® Wireless-N 2230	Jackson Peak 1 / JP1
Intel® Centrino® Advanced-N 6235	Jackson Peak 2 / JP2

Supported Platform/Hardware/OS

Platform	Calpella			Huron River			Chief River			Sugar Bay	Maho Bay	Pine trail	Cedar trail
HW/OS	XP 32 / 64	Vista 32 / 64	Win7 32 / 64	XP 32 / 64	Vista 32 / 64	Win7 32 / 64	XP 32 / 64	Vista 32 / 64	Win7 32 / 64	Win7 32 / 64	Win7 32 / 64	Win7 32 / 64	Win7 32
Jackson Peak 1 / 2230				V		V	V		V	V	V		V
Jackson Peak 2 / 6235				V		V	V		V		V		V
Marble Peak / 2200				V		V	V		V		V		V
Canyon Peak / 105				V		V	V		V		V		V
Canyon Peak + Bluetooth / 135				V		V	V		V		V		V
Rainbow Peak 1 / 1030	V	V	V	V	V	V						V	V
Rainbow Peak 2 / 6230	V	V	V	V	V	V						V	V
Taylor Peak / 6205				V	V	V	V		V	V	V	V	V
Crane Peak / 100						V						V	V
Crane Peak + Bluetooth / 130						V						V	V
Puma Peak 2x2 / 6200	V	V	V										
Puma Peak 3x3 / 6300	V	V	V	V	V	V	V		V				
Kelsey Peak / 6150				V	V	V	V		V			V	V
Kilmer Peak / 6250	V	V	V	V	V	V	V		V			V	V
Condor Peak / 1000	V	V	V	V	V	V				V		V	V

Supported via
Legacy Drivers

- Microsoft Vista (14.x drivers)
- 5100/5300 (14.x drivers)
- 3945/4965/5350 (13.x drivers)

Service Packs:
Windows XP SP2 & SP3 (32/64)
Windows Vista SP1 & SP2 (32/64)
Windows 7 RTM & SP1 (32/64)

Known Issues / Changes / Behaviors

ID	Title/Description
MWG100147757	BT3HS inoperative with some VPN clients – BT connection OK.

Issues Corrected (1)

ID	Description	Comment
MWG100157060	BSOD 0xDEADDEAD	Driver
MWG100156641	Netdetect does not function	Product
MWG100157177	Dashboard :doesn't work if My Device Name is named in 2-byte and over 7 characters.	Application
MWG100157223	BSOD(Netwsw00.sys) occurs when using WiDi.	Driver
MWG100156968	XP-WZC can not connect to Non-Stealth AP.	Driver
MWG100156972	XP-WZC can not connect to Stealth AP.	Driver
MWG100156778	P2P is connected without Query Window or even if "Deny" is pressed.	Application
MWG100156422	X64_0xDEADDEAD during WiDi testing	Driver
MWG100154590	WiAMT ME8.0: Can not use WiFi after resume from S3 under enabling AMT WiFi and DC mode	Driver
MWG100157182	Dashboard: invitation message for Chat has spinning wheel forever after clicking on "Decline"	Application
MWG100156916	Dashboard: hangs on the splash during File transfer	Application
MWG100160835	Uninstall not removing all files from driver directory	Application
MWG100159518	Dashboard: file send fails if the file name includes long names with 2 byte characters	Application
MWG100157749	Dashboard: device name (not My Device name) gets garbled if it is named in 2-byte character	Application
MWG100154951	BT3HS version number appears in device manager if upgrade from previous version, does not appear if clean / factory installation.	Application

Guidelines (1)

Wi-Fi Direct

- Starting connection with a Device using WiFiPanStartConnection API for all WiFi Direct flows.
 - 1.Group formation
 - To form a new group with a WFD device
 - 2.Re-invoking group
 - As a GO in the group, re-invoking the group.
 - As a STA in the group, re-invoking the group.
 - 3.Inviting Device to active Group
 - Inviting new device to the group.
 - Inviting previously connected device to the group.
 - 4.Connecting to active group
 - First time connection to the group using WPS
 - Subsequent connection to the group using the configuration (profile) saved.
- Forming autonomous GO using WiFiPanStartConnection API.
 - 1.MWT becomes GO autonomously
 - 2.Device can connect to GO directly if it has profile
 - 3.If Device does not have profile, it will go through WPS process
- Simplified connection request notification
 - 1.Applications only need to listen to the same connection request notification for both Group Formation and Invitation.
 - 2.Connection request notification data is pre-populated with connection data. It is easy for applications to establish the connection as a responder.
- Secondary device type Related features
 - 1.Device can advertise a specific device type by registering a WPS secondary device type.
 - 2.Device can specify one of the secondary device type it has registered in the connection request so the responding device can decide if it should respond the connection request.

Guidelines (2)

Bluetooth High Speed

- Bluetooth High Speed requires three components for Bluetooth 3.0+HS features and function. Two are from Intel – the third may be either from Intel or a 3rd party.
 - Components
 - WiFi (Intel)
 - Bluetooth HS (Intel)
 - Bluetooth Stack (Intel or 3rd Party)
 - Reboot after installation of Intel Bluetooth is recommended if Microsoft Vista OS
 - Ensure the 3rd party Bluetooth stack is Bluetooth 3.0+HS capable and enabled.
 - Bluetooth 3.0+HS supports 11g only
 - Bluetooth 3.0+HS is supported on Microsoft Windows 7 only
 - Wi-Fi Same Channel – Bluetooth 3.0+HS operates only on the same 2.4 GHz channel used for Wi-Fi
 - Bluetooth 3.0+HS does not operate concurrently with: AMT, IBSS, SoftAP, or MWT

Installation of loose Bluetooth coexistence

MSI Feature Option MSI Property Name:	Default Value in INSTALL	Allowed Values	Description
COEXISOLATION	TIGHT	TIGHT/LOOSE	TIGHT – when there is low isolation between the Bluetooth/WiFi antennas (less than ~30 dB). LOOSE – when there is high isolation between the Bluetooth/WiFi antennas (greater than ~30 dB)

Additional installation details can be found in the OEM Custom Installation Toolkit

