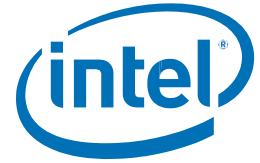




PRODUCT BRIEF  
 Intel® Dual Band Wireless-AC 7265  
 2<sup>nd</sup> Gen Intel 802.11ac, Dual Band, 2x2 Wi-Fi + Bluetooth® 4.2



# Intel® Dual Band Wireless-AC 7265



## Ultra Wi-Fi. Ultra Features. Ultra Connected Experience

The Intel® Dual Band Wireless-AC 7265 802.11ac, dual band, 2x2 Wi-Fi + Bluetooth® adapter lets you move at the speed of life with faster speeds (up to 867 Mbps<sup>1</sup>), higher capacity, broader coverage and longer battery life. Combined with 5<sup>th</sup> Gen Intel® Core™ processors and exceptional Intel wireless innovations, the Intel® Dual Band Wireless-AC 7265 dramatically reshapes your connected experience at home, work or on the go.

### Next-Gen 802.11ac Wireless



**More Speed  
 Better Coverage  
 Larger Capacity**

802.11ac, Dual Band, 80MHz, 2x2

Delivers up to 3x faster Wi-Fi speeds (up to 867 Mbps<sup>1</sup>) than 802.11n, with up to 3x more bandwidth per stream for more users and devices. Advanced optional 802.11ac specification features implemented that improve channel reliability resulting in better coverage and performance. Intel® Wireless-AC enables smoother streaming of higher resolution videos, fewer dropped connections and less congestion, and more speeds further away from the router.



**Bluetooth® 4.2**

Dual mode Bluetooth® 4.2 connects to the newest low energy Bluetooth® products as well as your familiar devices, such as headsets, keyboard, mice and more.



**Microsoft InstantGo\*<sup>2</sup> Support**

Maintains network connectivity with very low power consumption to enable updates to your email, social networks, etc. when your screen is off in standby mode.



**M.2 2230 and M.2 1216 Form Factors**

Multiple form-factors, including M.2 2230 and M.2 1216 modules enable system configuration and platform usages flexibility. The M.2 1216 form factor delivers 70% smaller footprint and lower profile optimized for thin-and-light designs.

### Experience the Intel Difference



**Worldwide Regulatory Support  
 Intel® Dynamic Regulatory Solution**

Delivers regulatory busting technology that enables one Intel® Wireless-AC adapter shipped to customers worldwide with the regulatory requirements of most countries in a single database on the Wi-Fi module. The Intel® Dual Band Wireless-AC 7265 detects its location and automatically configures the Wi-Fi to match it. Regulatory updates are managed during the product lifecycle so users can travel worldwide without compliance issues.

### Business-Class Wireless



**Intel® vPro™ Technology<sup>3</sup>**

Supports Intel's hardware-based security and management features built into Intel® Core™ vPro™ processors and chipsets that enables IT to manage PCs virtually anywhere, anytime while reducing deployment costs, improving security and ROI.



**Intel® Active Management Technology<sup>4</sup>**

Using integrated platform capabilities and popular third-party management and security applications, Intel® AMT allows IT or managed service providers to better discover, repair, and protect their networked computing assets. Intel AMT is a feature of Intel® Core™ processors with Intel® vPro™ technology.



**Intel® PROSet/Wireless Software<sup>5</sup>**

Includes advanced IT tools to improve security, reduce complexity and save IT time and money. Streamlines client deployments and allows remote management of wireless settings and profiles by IT managers.

# Intel® Dual Band Wireless-AC 7265 Technical Specifications

## General

Dimensions (W x H x D)	M.2 2230: 22 mm x 30 mm x 2.4 mm [1.5mm Max (Top Side)/ 0.1mm Max (Bottom Side)] M.2 1216: 12 mm x 16 mm x 1.8 mm
Weight	M.2 2230: 2.4g M.2 1216: 0.6g
Diversity	Supported
Radio ON/OFF Control	Supported in both hardware and software
Connector interface	M.2: PCIe, USB
LED Output	On/Off
Operating Temperature (Adapter Shield)	0° to +80° C
Humidity Non-Operating	50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)
Operating Systems	Microsoft Windows 7*, Microsoft Windows 8.1*, Microsoft Windows 10*, Linux* (most features not available on Linux)
Wi-Fi Alliance	Wi-Fi CERTIFIED® a/b/g/n/ac, WMM*, WMM-PS*, WPA*, WPA2*, WPS2*, Protected Management Frames, Wi-Fi Direct* for peer to peer device connections, Wi-Fi Miracast* as Source.
IEEE WLAN Standard	IEEE 802.11abgn, 802.11ac, 802.11d, 802.11e, 802.11i, 802.11h, 802.11w
Roaming <sup>6</sup>	Supports seamless roaming between respective access points (802.11b, 802.11g, 802.11a/b/g, 802.11a/b/g/n, and 802.11ac)
Bluetooth®	Dual Mode Bluetooth® 4.2 (BLE)

## Security<sup>7</sup>

Authentication	WPA and WPA2, 802.1X (EAP-TLS, TTLS, PEAP, LEAP, EAP-FAST), EAP-SIM, EAP-AKA
Authentication Protocols	PAP, CHAP, TLS, GTC, MS-CHAP*, MS-CHAPv2
Encryption	64-bit and 128-bit WEP, AES-CCMP, TKIP
Wi-Fi Direct* Encryption and Authentication	WPA2, AES-CCMP
Product Safety	UL, C-UL, CB (IEC 60950-1)
Management Frame Protection	802.11w (WFA- Protected Management Frames)

## Compliance

Government	FIPS <sup>8</sup> , FISMA
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Product Name	Model Number	Version
Intel® Dual Band Wireless-AC 7265	7265D2W	802.11ac, 2x2, Bluetooth® 4.2, PCIe, USB, M.2 1216 (3.3V)
Intel® Dual Band Wireless-AC 7265	7265NGW	802.11ac, 2x2, Bluetooth® 4.2, PCIe, USB, M.2 1216 (1.8V)
		802.11ac, 2x2, Bluetooth® 4.2, PCIe, USB, M.2 2230



For more information on Intel® Wireless products, visit [intel.com/wireless](http://intel.com/wireless)

<sup>1</sup> Based on the theoretical maximum bandwidth enabled by 2x2 802.11ac implementations. Actual wireless throughput and/or range will vary depending on your specific operating system, hardware and software configurations. Check with your PC manufacturer for details.

<sup>2</sup> InstantGo is a Microsoft Windows OS feature in 8.1 (known as Connected Standby in Microsoft Windows 8 and Microsoft Windows RT).

<sup>3</sup> Intel® vPro™ Technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software and IT environment. To learn more visit: <http://www.intel.com/technology/vpro>

<sup>4</sup> Requires activation and a system with a corporate network connection, an Intel® AMT-enabled chipset, network hardware and software. For notebooks, Intel® AMT may be unavailable or limited over a host OS-based VPN, when connecting wirelessly, on battery power, sleeping, hibernating or powered off. Results dependent upon hardware, setup & configuration. For more information, visit <http://www.intel.com/technology/platform-technology/intel-amt>

<sup>5</sup> Intel® PROSet/Wireless Software may not be supported by your PC manufacturer. Check with your PC manufacturer for details on availability.

<sup>6</sup> Roaming is supported only within each respective band and mode of access points.

<sup>7</sup> Some security solutions may not be supported by your PC's operating system and/or by your PC manufacturer. Check with your PC manufacturer for details on availability.

<sup>8</sup> Microsoft Windows 7\* and Microsoft Windows 8.1\*.

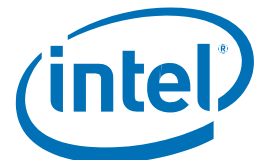
Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products.

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