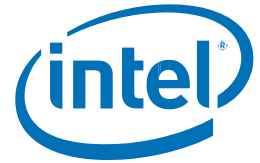
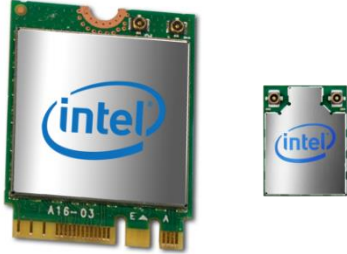




PRODUCT BRIEF
 Intel® Dual Band Wireless-AC 7265
 2nd Gen Intel 802.11ac, Dual Band, 2x2 Wi-Fi + Bluetooth® 4.0




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 Mbps¹), higher capacity, broader coverage and longer battery life. Combined with 5th 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

	<p>More Speed Better Coverage Larger Capacity</p>	<p>Delivers up to 3x faster Wi-Fi speeds (up to 867 Mbps¹) 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, faster dropped connections and less congestion, and more speeds further away from the router.</p>
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802.11ac, Dual Band, 80MHz, 2x2


	<p>Bluetooth® 4.0 Smart Ready (Low Energy)</p>	<p>Dual mode Bluetooth® 4.0 connects to the newest low energy Bluetooth® products as well as your familiar devices, such as headsets, keyboard, mice and more.</p>
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	<p>Microsoft InstantGo*² Support</p>	<p>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.</p>
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	<p>M.2 2230 and M.2 1216 Form Factors</p>	<p>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.</p>
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Experience the Intel Difference


	<p>Your Ultrabook™, On Your TV Intel® Wireless Display³</p>	<p>Watch your PC or Ultrabook™ content instantly without wires on the big HD screen with stunning image clarity and sound. Intel® Wireless Display gives you a serious entertainment upgrade. Stream movies, videos, games, photos, connect with friends, and more—experience it all, bigger and better than ever before.</p>
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	<p>Worldwide Regulatory Support Intel® Dynamic Regulatory Solution</p>	<p>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 easily enabled with software updates so users can travel worldwide without compliance issues.</p>
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Business-Class Wireless

	<p>Intel® vPro™ Technology⁴</p>	<p>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.</p>
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	<p>Intel® Active Management Technology⁵</p>	<p>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.</p>
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	<p>Intel® PROSet/Wireless Software⁶</p>	<p>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.</p>
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	<p>Intel Location Based Service⁷</p>	<p>Enables seamless and accurate Wi-Fi indoor location service for employees to see campus maps with reference to their location, locate the nearest resource (printer, conference, room, elevator, etc.), or for asset tracking.</p>
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Intel® Dual Band Wireless-AC 7265 Technical Specifications

General

Dimensions (H x W 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*, Linux* (most features not available on Linux)
Wi-Fi Alliance	Wi-Fi CERTIFIED* for 802.11ac, Wi-Fi CERTIFIED* a/b/g, Wi-Fi CERTIFIED* n, WMM*, WPA*, WPA2*, and WPS, WPS 2.0, Protected Management Frames, Wi-Fi Direct* for peer to peer device connections Wi-Fi Miracast Source
IEEE WLAN Standard	IEEE 802.11abgn, 802.11ac, 802.11d, 802.11e, 802.11i, 802.11h, 802.11w
Cisco CCX*	CCX v4*/CCX Lite* Compliant
Architecture	Infrastructure and SoftAP; Supports simultaneous Client and SoftAP modes
Roaming ⁸	Supports seamless roaming between respective access points (802.11b, 802.11g, 802.11a/b/g, 802.11a/b/g/n, and 802.11ac)
Bluetooth ⁹	Dual Mode Bluetooth® 2.1, 2.1+EDR, 3.0, 4.0 (BLE)

Security⁹

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 ¹⁰ , FISMA
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Product Name	Model Number	Version
Intel® Dual Band Wireless-AC 7265	7265D2W	802.11ac, 2x2, Bluetooth® 4.0, PCIe, USB, M.2 1216 (3.3V)
	7265D2W	802.11ac, 2x2, Bluetooth® 4.0, PCIe, USB, M.2 1216 (1.8V)
Intel® Dual Band Wireless-AC 7265	7265NGW	802.11ac, 2x2, Bluetooth® 4.0, PCIe, USB, M.2 2230



For more information on Intel® Wireless products, visit intel.com/wireless

¹ 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.

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

³ Intel® Wireless Display requires an Intel® Wireless Display enabled PC, tablet, or smartphone, a compatible adapter, and a TV. 1080p and Blu-Ray* or other protected content playback only available on select Intel® processors with built-in visuals enabled. Consult your PC manufacturer. For more information, see www.intel.com/go/widi

⁴ 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>

⁵ 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>

⁶ Intel® PROSet/Wireless Software may not be supported by your PC manufacturer. Check with your PC manufacturer for details on availability.

⁷ Intel Location Based Service requires selected Intel wireless adapters and Intel® PROSet/Wireless WiFi Software v15.6 or later on Intel® 4th Gen Core processor-based PCs only.

⁸ Roaming is supported only within each respective band and mode of access points.

⁹ 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.

¹⁰ Microsoft Windows 7 and Microsoft Windows 8.

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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