PRODUCT BRIEF
Intel® Dual Band Wireless-N 7265
802.11agn, 2x2, Dual Band Wi-Fi

Intel® Dual Band Wireless-N 7265

Premium Wi-Fi. Exceptional Features. Great Connected Experience

The Intel® Dual Band Wireless-N 7265 802.11agn, dual band, 2x2 Wi-Fi adapter delivers faster speeds (up to 300 Mbps[1]), greater range and more reliability. Combined with 5th Gen Intel ® Core™ processors and exceptional Intel wireless innovations, the Intel® Dual Band Wireless-N 7265 reshapes your connected experience at work, home or on the go.

Premium 802.11agn Wireless

Speed
Coverage
Capacity

802.11agn, 2x2, Dual Band

Delivers up to 300 Mbps[1] speed with dual streams (2x2) for better performance and connectivity in more places, through more walls, doors and floors. Use the power of dual band 5GHz to boost speeds and reduce congestion compared to older 2.4 GHz networks and devices.

Microsoft InstantGo*[2] 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 Form Factor

M.2 module supports multiple connectors for flexible system configuration and platform usages. The M.2 form factor delivers a smaller, lower profile, more flexible form factor for thin-and-light Ultrabook™, notebook and tablet 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-N 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[3]

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[4]

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[5]

Combines simplified user interface design with 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-N 7265 Technical Specifications

General

Dimensions (H x W x D)	M.2 2230: 22 mm x 30.00 mm x 2.4 mm [1.5mm Max (Top Side)/ 0.1mm Max (Bottom Side)]
Weight	2.4g
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)	0º 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*, Linux* (most features not available on Linux)
Wi-Fi Alliance	Wi-Fi CERTIFIED* a/b/g/n, 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, 802.11d, 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[6]	Supports seamless roaming between respective access points (802.11b, 802.11g, 802.11a/b/g, 802.11a/b/g/n)

Security[7]

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[8], FISMA
Retail (Credit Card Processing)	PCI, CISP

Product Name	Model Number	Version
Intel® Dual Band Wireless-N 7265	7265NGW NB	802.11agn, 2x2, PCIe, M.2 2230

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

[1] Based on the theoretical maximum bandwidth enabled by 2x2 802.11n 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® 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
[4] 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
[5] Intel® PROSet/Wireless Software may not be supported by your PC manufacturer. Check with your PC manufacturer for details on availability.
[6] Roaming is supported only within each respective band and mode of access points.
[7] 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.
[8] 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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