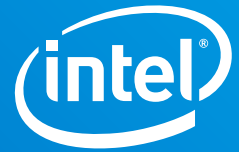Intel® Wireless-AC 9260
5th Generation Intel 802.11ac, Dual Band, 2x2 Wi-Fi + Bluetooth+ 5

Intel® Wireless-AC 9260

(intel®)

Ultra Wi-Fi. Ultra Features. Ultra Connected Experience

The Intel® Wireless-AC 9260 adapter supports Bluetooth+ 5 and 2x2 802.11ac Wi-Fi including wave 2 features such as 160MHz channels, delivering up to 1.73Gbps[1] and downlink MU-MIMO. These new features deliver a significant increase in user speeds in dense deployments, supporting fast downloads and long battery life compared to legacy 802.11ac devices. Combined with Intel® Core™ processors and exceptional Intel wireless innovations, the Intel® Wireless-AC 9260 can provide Gigabit download speed[1] and dramatically improve your connected experience at home, work, or on the go.

5TH GENERATION INTEL 802.11AC WIRELESS	
Faster Speed Better Coverage Larger Capacity	Intel® Wireless-AC 9260 enables smoother streaming of higher resolution videos, fewer dropped connections, less congestion, and faster speeds farther away from the router, enabling DL MU-MIMO and 160MHz channel use.
802.11ac, 2x2, Dual Band, 160MHz, MU-MIMO	When using 160MHz channels, Intel® Wireless-AC 9260 can deliver over 5x faster Wi-Fi speeds (up to 1.73Gbps) than 802.11n and double the speed of legacy 802.11ac[2]. Downlink MU-MIMO allows an Access Point to simultaneously transmit data to multiple clients and potentially improve overall downlink network capacity by over 3x[3].
Bluetooth+ 5	Bluetooth+ 5 provides 4x[4] range over BT4.2 with the same power, enabling coverage throughout the home. BT5 also doubles the transmit speed for faster transmissions thereby reducing the overall power.[4] Additionally, BT5 adds new enhanced data broadcasting enabling seamless services such as location-based services and simpler pairing for BT devices.
Microsoft Windows 10* Ready	Full support for latest Microsoft Windows 10* OS.
M.2 2230 Form Factor	M.2 2230 modules enable system configuration and platform usages flexibility with the use of a standard Key A or E socket for attaching the module.

EXPERIENCE THE INTEL® DIFFERENCE	
Worldwide Regulatory Support Intel® Dynamic Regulatory Solution	Enables worldwide regulatory compliance on a single adapter SKU. The Intel® Wireless-AC 9260 detects its location and automatically optimizes the Wi-Fi settings to local regulatory requirements, maximizing performance in each geography, simplifying travel experience and global enterprise procurement. Future regulatory changes are easily managed during the product life cycle.
Wireless Functionality in Pre-boot Environment	Support for Wi-Fi network and BLE HID connectivity in the platform's UEFI (Unified Extensible Firmware Interface) environment during its boot stage. This capability enables use cases like OS recovery over Wi-Fi and BLE-based keyboard and mouse connectivity in this pre-boot environment.
Wirelessly Project to the Big Screen	Watch your 2-in-1 or laptop content instantly without wires on the big HD screen with stunning image clarity and sound using Wi-Fi Miracast*. Stream movies, videos, games, photos, connect with friends, and more—experience it all, bigger and better than ever before.

BUSINESS-CLASS WIRELESS	
Intel® vPro™ Technology[5]	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[6]	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 help protect their networked computing assets. Intel® AMT is a feature of Intel® Core™ processors with Intel® vPro™ technology.

INTEL® WIRELESS-AC 9260 TECHNICAL SPECIFICATIONS

GENERAL

Dimensions (H x W x D)	M.2 2230: 22mm x 30mm x 2.4mm [1.5mm Max (Top Side)/ 0.1mm Max (Bottom Side)]
Weight	M.2 2230: 2.9g
Antenna Diversity	Supported
Radio ON/OFF Control	Supported
Connector Interface	M.2: PCIe, USB
Operating Temperature (Adapter Shield)	0°C to +80°C
Humidity Non-Operating	50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)
Operating Systems	Microsoft Windows 10*, Linux* (limited feature support), Chrome*
Wi-Fi Alliance	Wi-Fi CERTIFIED* a/b/g/n/ac with wave 2 features, WMM*, WMM-PS*, WPA*, WPA2*, WPS2*, Protected Management Frames, Wi-Fi Miracast* as Source, and Wi-Fi Direct
IEEE WLAN Standard	IEEE 802.11a/b/g/n/ac, 802.11d, 802.11e, 802.11h, 802.11i, 802.11w; 802.11r, 802.11k, 802.11v pending OS support; Fine Timing Measurement based on 802.11REVmc
Roaming[7]	Supports seamless roaming between access points
Bluetooth[+]	Bluetooth[+] 5

SECURITY[8]

Authentication	WPA* and WPA2*, 802.1X (EAP-TLS, TTLS, PEAP,EAP-SIM, EAP-AKA, EAP-AKA')
Authentication Protocols	PAP, CHAP, TLS, MS-CHAP*, MS-CHAPv2
Encryption	64-bit and 128-bit WEP, TKIP, 128-bit AES-CCMP
Wi-Fi Direct* Encryption and Authentication	WPA2-PSK, AES-CCMP

COMPLIANCE

Regulatory	For a list of country approvals, please contact your local Intel representatives.
US Government	FIPS[9], FISMA
Product Safety	UL, C-UL, CB (IEC 60950-1)

PRODUCT NAME	MODEL NUMBER	VERSION
Intel® Wireless-AC 9260	9260NGW	802.11ac wave 2, 2x2, Bluetooth[+] 5, 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 160Mhz implementations. Actual wireless throughput and/or range will vary depending on your specific operating system, hardware and software configurations. Check with your device manufacturer for details.

[2] 802.11ac 160MHz provides 1.73Gbps maximum throughput, 2x more than 802.11ac 80MHz (867Mbps) and 5x more than 802.11n 40MHz (300Mbps) based on industry standards.

[3] 802.11ac downlink MU-MIMO technology allows concurrently serving multiple devices simultaneously, in turn increasing network capacity potentially by over 3x while improving per-user throughput based on industry standards.

[4] Bluetooth[+] 5 Specifications, https://www.bluetooth.com/~/media/files/specification/bluetooth-5-faq.ashx?la=en

[5] 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

[6] 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

[7] Roaming is supported only within each respective band and mode of access points.

[8] Some security solutions may not be supported by your device operating system and/or by your device manufacturer. Check with your device manufacturer for details on availability.

[9] Microsoft Windows 7*, Microsoft Windows 8.1* and Microsoft Windows 10*.

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