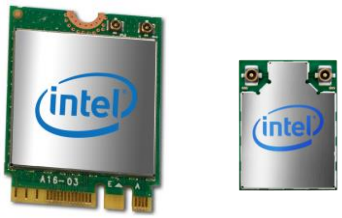
PRODUCT BRIEF
Intel® Dual Band Wireless-AC 8260
3rd Gen Intel 802.11ac, Dual Band, 2x2 Wi-Fi + Bluetooth 4.2®

Intel® Dual Band Wireless-AC 8260



Ultra Wi-Fi. Ultra Features. Ultra Connected Experience

The Intel® Dual Band Wireless-AC 8260 is Intel's 3rd Generation 802.11ac, dual band, 2x2 Wi-Fi + Bluetooth® 4.1 adapter. It's engineered to deliver lower power consumption[1], improved RF coexistence[1], and complete Microsoft Windows 10 support. Combined with Intel ® Core™ processors and exceptional Intel wireless innovations like Intel® Dynamic Regulatory Solution, the Intel® Dual Band Wireless-AC 8260 dramatically reshapes your connected experience at home, work or on the go.

3rd Gen Intel 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[2]) 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 enables BR/EDR-Low Energy devices to act as a Bluetooth Smart Ready Hub and Bluetooth Smart peripheral at the same time. Connects to the newest low energy Bluetooth® products as well as your familiar devices, such as headsets, keyboard, mice and more.

Microsoft Windows 10 Ready

Full support for latest Microsoft Windows 10 OS with Intel® WiDi and HCI drivers.

M.2 2230 or 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

Wirelessly Project to the Big Screen
Intel® WiDi/Intel® Pro WiDi[3]

Watch your Mobile PC content instantly without wires on the big HD screen with stunning image clarity and sound with Intel® Wireless Display. Stream movies, videos, games, photos, connect with friends, and more—experience it all, bigger and better than ever before. Intel® Pro WiDi with Intel® vPro™ technology delivers enterprise-class wireless display capabilities for dense conference room environments.

Worldwide Regulatory Support
Intel® Dynamic Regulatory Solution[4]

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 8260 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.

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. Available only Intel® Dual Band Wireless-AC 8260 Intel® vPRO Technology SKUs.

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 protect their networked computing assets. Intel AMT is a feature of Intel® Core™ processors with Intel® vPro™ technology. Available only Intel® Dual Band Wireless-AC 8260 Intel® vPRO Technology SKUs.

Intel® PROSet/Wireless Software[7]

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 Location Based Service[8]

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.

Intel® Dual Band Wireless-AC 8260 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
Antenna Diversity	Supported
Radio ON/OFF Control	Supported via software
Connector interface	M.2: PCIe, USB
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*, Microsoft Windows Next*, Linux* (limited feature support)
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 4.x*/CCX Lite Compliant
Architecture	Infrastructure and SoftAP; Supports simultaneous Client and SoftAP modes
Roaming[9]	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® 2.1, 2.1+EDR, 3.0, 4.0, 4.1, BLE, 4.2

Security[10]

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
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[11] ,FISMA

Product Name	Model Number	Version
Intel® Dual Band Wireless-AC 8260	8260NGW	802.11ac, 2x2, Bluetooth® 4.2, PCIe, USB, M.2 2230
Intel® Dual Band Wireless-AC 8260	8260D2W	802.11ac, 2x2, Bluetooth® 4.2, PCIe, USB, LTE Coexistence, M.2 1216 SD

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

[1] Compared to Intel® Dual Band Wireless-AC 7165 .
[2] 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
[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® Dynamic Regulatory Solution disclaimer TBD.
[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] Intel® PROSet/Wireless Software may not be supported by your PC manufacturer. Check with your PC manufacturer for details on availability.
[8] 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.
[9] Roaming is supported only within each respective band and mode of access points.
[10] 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.
[11] Microsoft Windows 7, Microsoft Windows 8.x, and Microsoft Windows 10.

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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