Intel® Dual Band Wireless-AC 7260

Ultra Wi-Fi. Ultra Features. Ultra Connected Experience

The Intel® Dual Band Wireless-AC 7260 802.11ac, dual band, 2x2 Wi-Fi + Bluetooth® adapter lets you move at the speed of life with faster speeds (up to 867 Mbps\(^1\)), higher capacity, broader coverage and longer battery life. Combined with 4th Gen Intel® Core™ processors and exceptional Intel wireless innovations, the Intel® Dual Band Wireless-AC 7260 dramatically reshapes your connected experience at home, work or on the go.

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**Next-Gen 802.11ac Wireless**

<table>
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<th>Feature</th>
<th>Description</th>
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<tr>
<td>802.11ac, Dual Band, 80MHz, 2x2</td>
<td>Delivers dramatically faster Wi-Fi speeds (up to 867 Mbps(^1)) than 802.11n, with more bandwidth per stream 433 Mbps, more capacity for more users (extended channel bonding 80MHz), broader coverage and better battery life (more data transmit efficiencies reduce power consumption).</td>
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<tr>
<td>Bluetooth 4.0* Smart Ready (Low Energy)</td>
<td>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.</td>
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<td>Intel® Power Optimizer(^2)</td>
<td>Optimized power modes during periods of activity and inactivity to improve platform battery life for greater mobility and convenience. Dramatically lower power consumption than previous generation products.</td>
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<tr>
<td>HMC and M.2 Form Factors</td>
<td>Single sided HMC and M.2 modules support multiple connectors for flexible system configuration and platform usages. The new M.2 form factor (2230 and 2226 Solder Down) delivers a smaller, lower profile, more flexible form factor for thin-and-light designs.</td>
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**Experience the Intel Difference**

- **Your Ultrabook™ On Your TV**
  Intel® Wireless Display\(^3\): 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.

- **Always Ready to Go**
  Intel® Smart Connect Technology\(^4\): Stay current with automatic, no-wait updates to your email and social networks, even when your device is asleep. Combine it with Intel® WiFi HotSpot Assistant and automatically connect to millions of free and paid hotspots to refresh your content in more locations worldwide.

- **Instant Internet Worldwide**
  Intel® WiFi HotSpot Assistant\(^5\): Delivers instant Internet connectivity at millions of free and paid hotspot worldwide. After accepting a one-time only terms and conditions (T&C) login, your Internet connections are on auto-pilot as you roam the Wi-Fi hotspot universe—even as your Ultrabook™ sleeps. Combine it with Intel® Smart Connect Technology and your favorite cloud content (email, social networks, news, etc.) is automatically refreshed as you roam.

**Business-Class Wireless**

- **Intel® vPro™ Technology\(^6\)**: 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\(^7\)**: 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 3rd generation Intel® Core™ processors with Intel® vPro™ technology.

- **Intel® PROSet/wireless Software\(^8\)**: 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 Location Based Service\(^9\)**: Enables seamless Wi-Fi indoor location service capability 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 7260 Technical Specifications

General

Dimensions (H x W x D)
- HMC: 6.260 mm x 30 mm x 2.4 mm Max (Top Side) / 1.35 mm Max (Bottom Side) Single Sided
- M.2 2226: 22 mm x 30 mm x 2.4 mm, [1.5mm Max (Top Side) / 0.1mm Max (Bottom Side)]
- M.2 2226: 22 mm x 26 mm x 2.4 mm, [1.5mm Max (Top Side) / 0.1mm Max (Bottom Side)]

Weight
- HMC: 3.0g
- M.2 2230: 2.3g
- M.2 2226: 2.3g

Diversity
- Supported

Radio ON/OFF Control
- Supported in both hardware and software

Connector interface
- HMC: PCIe, USB
- M.2: PCIe, USB

LED Output
- On/Off

Operating Temperature (Adapter Shield)
- 0°C to +90°C

Humidity Non-Operating
- 50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)

Wi-Fi Alliance
- Wi-Fi CERTIFIED® for 802.11ac, Wi-Fi CERTIFIED® a/b/g, Wi-Fi CERTIFIED® n, WiMM®, WiPA®, WiPA2®, and WiPS, WPS 2.0, Protected Management Frames, Wi-Fi Direct® for peer to peer device connections

IEEE WLAN Standard
- IEEE 802.11abgn, 802.11ac, 802.11b, 802.11e, 802.11i, 802.11n, 802.11w

Architecture
- Infrastructure and SoftAP; Supports simultaneous Client and SoftAP modes

Roaming
- Supports seamless roaming between respective access points
- (802.11b, 802.11g, 802.11ab/g, 802.11ab/g/n, and 802.11ac)

Bluetooth*
- Dual Mode Bluetooth® 2.1, 2.1+EDR, 3.0, 3.0+HS, 4.0 (BLE)

Security

Authentication
- wPA and WPA2®
- 802.11X (EAP-TLS, TTLS, PEAP, LEAP, EAP-FAST), EAP-SIM, EAP-AKA
- PAP, CHAP, TLS, GTC, MS-CHAPv2

Encryption
- 64-bit and 128-bit WEP, AES-CMP, TKIP

Wi-Fi Direct® Encryption and Authentication
- WiPA2, AES-CMP

Product Safety
- UL, C-UL, CB (IEC 60950-1)

Management Frame Protection
- Wi-Fi Protected Management Frames

Compliance

Government
- FIPS1, 11
- FISMA

Retail (Credit Card Processing)
- PCI, CISP

Product Name | Model Number | Version
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Intel® Dual Band Wireless-AC 7260 | 7260HMW | 802.11ac, 2x2, Bluetooth 4.0, PCIe, USB, HMC
| 7260NGW | 802.11ac, 2x2, Bluetooth 4.0, PCIe, USB, M.2 2230
| 7260SDW | 802.11ac, 2x2, Bluetooth 4.0, PCIe, USB, M.2 2226 Solder Down

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.

2 Actual platform battery life savings will vary depending on your specific operating system, hardware and software configurations.

3 Family 10th generation Intel® Core™ i7, i5, and i3 processors may require at least the following minimum system requirements: Intel® HD Graphics 630, Dual Channel DDR4 2400 memory, 64-bit version of Windows 10, and Intel® PROSet/Wireless Software v15.6 or later. For more information, visit the Intel® website: http://www.intel.com/technology/platform

4 Intel® Wi-Fi Hotspot Assistant requires an Intel® wireless adapter, Intel® PROSet/Wireless Software v15.6 or later, and an Internet connection for initial setup with the Easy Wi-Fi network.

5 Intel® Wi-Fi CERTIFIED™ 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/wi-fi

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