

Overview

Models

HP Dual Band 802.11n Wireless USB Adapter

JD039A

Key features

- Comprehensive support of Wi-Fi standards
- Able to operate at 2.4 or 5 GHz
- Secure connectivity with WPA, WPA2, 128-bit AES
- Improved wireless reliability using MIMO

Product overview

The HP Dual Band 802.11n USB Wireless Adapter is a convenient add-on to a Windows®-based PC that provides the latest in IEEE 802.11n wireless connectivity. The adapter can be installed in standalone PCs to connect to wireless LANs, or it can be used alone to upgrade the speed of wireless connections for PCs running older wireless adapters. This adapter provides complete access to 2.4 and 5 GHz IEEE 802.11a, 802.11b, 802.11g, and 802.11n wireless networks, with the increased distances and reliability provided by 802.11n, giving users the flexibility of working wherever it's convenient. The adapter supports the latest, most effective authentication techniques to thwart intruders while simplifying network administration, and is easy to set up and use. Compatible with the full range of Wi-Fi standards, it is both secure and high performance, and is ideal for workgroups looking to get the most from their wireless connections.

Features and benefits

Connectivity

- **Comprehensive IEEE 802.11 Wi-Fi standards support:** supports all IEEE 802.11 2.4 and 5 GHz networking standards (802.11a, 11b, 11g, and 11n); improves ability to connect to a local wireless network
- **Wi-Fi Certified:** helps ensure interoperation with compatible products from other vendors

Performance

- **Advanced 2x2 MIMO (Multiple Input/Multiple Output) technology:** provides greater wireless range and coverage area with reliable connectivity for mobile users
- **IEEE 802.11n connection support:** supports the standards-based technology, which provides the highest data transmission speeds over wireless connections
- **Two transmission and two reception antennas:** provide the highest signal strength for outstanding connection reliability

Security

- **Robust standards-based security:** includes Wi-Fi Protected Access (WPA, WPA2) and 128-bit Advanced Encryption Standard (AES) encryption for secure connectivity and data transfer
- **IEEE 802.1X authentication** (including EAP-TLS, PEAP, and EAP-TTLS): protects against unauthorized network access

Ease of use

- **Connection via USB adapter slot:** provides the easiest method to install a wireless adapter, with no need to open a PC
- **Profiles with specific settings for each wireless LAN:** improves connections across multiple networks; users just click a profile to establish a connection



Overview

Warranty and support

- **3-year warranty:** with advance replacement and next-business-day delivery (available in most countries)
- **Electronic and telephone support:** limited electronic and telephone support is available from HP; refer to www.hp.com/networking/warranty for details on the support provided and the period during which support is available



Technical Specifications

HP Dual Band 802.11n Wireless USB Adapter (JD039A)

Notes	<p>System requirements: Computer with USB 2.0 port. Drivers support the following operating systems: Windows 2000, Windows XP, Windows Vista®, and Windows 7.</p> <p>Standards conformance: IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, WMM, and Wi-Fi Certified</p> <p>Security: WPA2-Enterprise, WPA2-Personal, WPA-Enterprise, WPA-Personal, AES/TKIP, WEP 64-/128-bit encryption, Wi-Fi Protected Setup (WPS), and PIN and PBC modes</p> <p>IEEE 802.1X EAP types: EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, and EAP-SIM</p> <p>Antennas: 2 internal: 2T, 2R</p> <p>Data rates supported: 802.11n: MCS 0 to 15 for HT20MHz; MCS 0 to 15 for HT40MHz; 802.11g: 54, 48, 36, 24, 18, 12, 9, and 6 Mbps; 802.11b: 11, 5.5, 2, and 1 Mbps</p> <p>Regulatory/agency approvals. Safety: UL/CSA60950-1,EN/IEC60950-1; radio: FCCPart15.247, FCC Part15.407, RSS-210,EN300 328, and EN301 893; EMC: EN301 489-1,EN301 489-17; SAR: FCC OET Bulletin 65 Supplement C, RSS-102, EN50392</p> <p>Frequency band USA/Canada: 2.412-2.462 GHz, 5.15-5.8 GHz; EU: 2.412-2.472 GHz, 5.15-5.8 GHz (varies by country)</p> <p>Modulation technique 802.11b: DSSS (Direct Sequence Spread Spectrum); 802.11a/802.11g: OFDM (Orthogonal Frequency Division Multiplexing) and DSSS</p> <p>Media Access Protocol: CSMA/CA with ACK</p> <p>Environmental range: Operating temperature: 0 to 45°C (32 to 113°F).</p> <p>Package contents: Wireless LAN USB Adapter, Quick Install Guide, and CD-ROM</p> <p>Also sold as the 3Com Wireless 11n Dual Band USB Adapter.</p>
Services	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UW869E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware (UW872E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (UW875E)</p> <p>3-year, 24x7 SW phone support, software updates (UW878E)</p> <p>1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR705E)</p> <p>1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR706E)</p> <p>1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (HR707E)</p> <p>4-year, 4-hour onsite, 13x5 coverage for hardware (UW870E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware (UW873E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW876E)</p> <p>4-year, 24x7 SW phone support, software updates (UW879E)</p> <p>5-year, 4-hour onsite, 13x5 coverage for hardware (UW871E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware (UW874E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW877E)</p> <p>5-year, 24x7 SW phone support, software updates (UW880E)</p> <p>3 Yr 6 hr Call-to-Repair Onsite (UW881E)</p> <p>4 Yr 6 hr Call-to-Repair Onsite (UW882E)</p> <p>5 Yr 6 hr Call-to-Repair Onsite (UW883E)</p> <p>1-year, 6 hour Call-To-Repair Onsite for hardware (HR709E)</p> <p>1-year, 24x7 software phone support, software updates (HR708E)</p> <p>Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.</p>



Technical Specifications

To learn more, visit: www.hp.com/networking

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