

Provides high-speed
11n 2.4 GHz wireless
connectivity through
a USB port

OVERVIEW

Accessing the Internet and sending e-mail wirelessly just got faster and more flexible with the 3Com® Wireless 11n USB Adapter. This adapter provides complete access to 2.4 GHz IEEE 802.11b, 802.11g and 802.11n draft 2.0 wireless networks, delivering the flexibility to work where ever it's convenient and with the increased distances and reliability provided by 802.11n. This adapter supports the latest, most effective authentication techniques to thwart intruders and simplifies network management.

KEY BENEFITS

COMPLETE IEEE 802.11 STANDARDS SUPPORT

The 3Com Wireless 11n USB Adapter supports all IEEE 802.11 2.4 GHz networking standards—11b, 11g and 11n draft 2.0—so users can connect to the most common wireless networks. It is Wi-Fi CERTIFIED™ to ensure interoperation with compatible products from other vendors.

EASY TO SET UP AND USE

Setup and operation are extraordinarily easy, making the 3Com 11n USB Adapter an intelligent choice for first-time wireless network users. Create profiles with specific settings for each wireless local area network (LAN). Users just click their profile and they are configured for connection.

GREATER RANGE AND COVERAGE WITH MIMO TECHNOLOGY

Advanced 2 x 2 MIMO (Multiple Input Multiple Output) technology provides enhanced wireless range and coverage area for reliable connectivity as you move around. Two transmit and two receive antennas boost signal strength.

SECURE CONNECTIVITY AND DATA TRANSFER

3Com offers one of the most robust sets of standards-based security on the market today. To protect wireless data, the USB adapter supports Wi-Fi Protected Access (WPA™, WPA2™) and 128-bit Advanced Encryption Standard (AES) encryption for higher level security.

To protect against unauthorized network access, the adapter supports IEEE 802.1X authentication, and EAP-TLS, PEAP and EAP-TTLS authentication protocols.



3Com Wireless 11n USB Adapter

KEY BENEFITS (CONTINUED)

HIGH PERFORMANCE AND RELIABLE

Computer users can access network resources, the Internet and email at 11n speeds, ideal for multimedia applications, fast audio streaming, VoIP and speedier transfer of large graphics files. A host of features including MIMO technology ensure reliable wireless connections and exceptional speed. Wi-Fi® certification helps ensure interoperability with other draft 802.11n certified vendors.

FEATURES	Description
Compatibility	
Standards support	Provides complete access to 2.4 GHz IEEE 802.11b, 802.11g and 802.11n draft 2.0 wireless networks.
Backwards compatible	Compatible with existing 802.11b and 802.11g networks.
Wi-Fi certification	Helps ensure interoperability with Wi-Fi compatible products from other vendors.
Security	
IEEE 802.1X network access control	IEEE 802.1X network access control and EAP authentication support the latest, most effective authentication techniques to thwart intruders and simplify network management.
WPA2/WPA and AES	Wi-Fi Protected Access 2 (WPA2) and 128-bit Advanced Encryption Standard (AES) encryption help keep wireless transmissions private; 128-bit WEP encryption is supported for legacy networks.
Performance	
High speed	Support for 802.11n draft 2.0 provides the highest possible wireless speeds of up to 300 [†] Mbps.
MIMO technology	Multiple antennas and advanced MIMO (Multiple Input Multiple Output) technology provide enhanced wireless range.
Wi-Fi Multimedia (WMM)	Adds managed QoS (Quality of Service) levels for data, voice and video. WMM—based on the 802.11e standard—is critical for today's generation of delay-sensitive applications like voice.
Ease of Use	
3Com Wireless Utility	Creates profiles for each wireless network's specific settings—just click the proper profile to match the desired wireless network. Also displays connection status and features simple-to-use diagnostic tools.
USB extension cable	Included 30 inch extension cable allows placement of the USB Adapter in a convenient location, maximizing installation flexibility.

[†] Wireless performance depends on number of users, physical and environmental conditions and other electronic devices in the area.

SPECIFICATIONS

STANDARDS CONFORMANCE

IEEE 802.11b, IEEE 802.11g,
IEEE 802.11n draft 2.0, WMM,
Wi-Fi CERTIFIED

SYSTEM REQUIREMENTS

Computer with USB 2.0 port
Drivers and supported operating
systems: Windows 2000, XP and Vista

LED INDICATORS

PWR, Activity

DIMENSIONS

Length: 88.9 mm (3.5 in)
Width: 31.8 mm (1.25 in)
Height: 12.7 mm (0.50 in)
Weight: 20 g (0.05 lb)

OPERATING VOLTAGE

DC 5.0V +/- 5%

ANTENNAS

2 internal: 2T, 2R

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

FREQUENCY BAND

USA/Canada: 2.412 - 2.462 GHz
EU: 2.412 - 2.472 GHz

Modulation Technique

802.11b: DSSS (Direct Sequence
Spread Spectrum)
802.11g: OFDM (Orthogonal
Frequency Division Multiplexing)
and DSSS

Media Access Protocol

CSMA/CA with ACK

SECURITY

WPA2- Enterprise
WPA2- Personal
WPA- Enterprise
WPA- Personal
AES/TKIP

WEP 64/128-bit encryption
WiFi protected setup (WPS);
PIN and PBC modes

IEEE 802.1X EAP Types

EAP-TLS
EAP-TTLS/MSCHAPv2
PEAPv0/EAP-MSCHAPv2
PEAPv1/EAP-GTC
EAP-SIM

ENVIRONMENTAL RANGE

Operating temperature: 0° to 45°C
(32° to 113°F)

REGULATORY/AGENCY APPROVALS

Safety: UL/CSA 60950-1, EN/IEC
60950-1
Radio: FCC Part 15.247, RSS-210,
EN 300 328 v1.7.1
EMC: FCC Part 15 Subpart B,
EN 301 489-17
SAR: FCC Guideline for Human
Exposure IEEE C95.1, EN 50392

PACKAGE CONTENTS

Wireless LAN USB Adapter, Quick
Install Guide, CD-ROM with drivers,
30 inch USB extension cable

WARRANTY AND OTHER SERVICES

Three Year Limited Hardware Warranty
Limited Software Warranty for 90 days
90 days of telephone technical support
Refer to www.3com.com/warranty
for details



ORDERING INFORMATION

PRODUCT DESCRIPTION	MODEL	3COM SKU
3Com Wireless 11n USB Adapter	WL-600	3CRUSB175

Visit www.3com.com for more information about 3Com secure converged network solutions.

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