

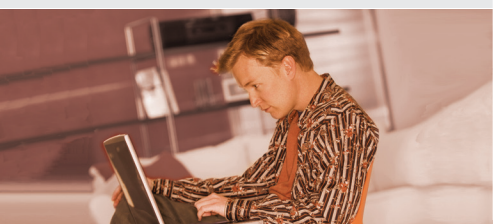


XTREME N™ NOTEBOOK EXPRESSCARD™

Wirelessly stream HD video,
share files, and go online

Slimmer, lighter, and higher performance
than CardBus

Fits into all standard
ExpressCard slots



ULTIMATE PERFORMANCE

The D-Link Xtreme N Notebook ExpressCard DWA-643 is a draft 802.11n compliant wireless client for notebook PC with available ExpressCard slots. This wireless adapter delivers much faster speeds and many times farther range than 802.11g while staying backward compatible with 802.11g and 802.11b networks. Once connected, you can share a high-speed Internet connection, photos, files, music, printers, and more. In addition, the ExpressCard interface provides much faster performance and better reliability than the legacy CardBus interface. Having an ExpressCard/34 form factor, the DWA-643 will fit into any standard ExpressCard slot.

GET CONNECTED, STAY CONNECTED

The Xtreme N Notebook ExpressCard is powered by Xtreme N technology to provide superior wireless performance in the home or office. This adapter is designed for use in larger homes and offices, or for users running multiple bandwidth-intensive applications. This adapter enables you to simultaneously make or receive Internet phone calls (VoIP), surf the Web, transfer files, and stream High-Definition (HD) media when connected to a draft 802.11n router, such as the DIR-655 router. The DWA-643 ExpressCard supports WEP, WPA, and WPA2 encryption that allow you to connect securely to a wireless network.

EASY TO SET UP, EASY TO USE

D-Link's Quick Adapter Setup Wizard guides you step-by-step through the installation process. Configure this notebook ExpressCard without having to call a networking expert to help you. The D-Link Wireless Manager is also included with this product to keep track of your most frequently accessed networks so that you can join them quickly and easily.

With unmatched wireless performance, reception, and security, the DWA-643 D-Link Xtreme N Notebook ExpressCard is the best choice for easily adding or upgrading wireless connectivity to your ExpressCard-enabled notebook PC.



WHAT THIS PRODUCT DOES

Connect your notebook computer with an available ExpressCard slot to a wireless network and access a high-speed Internet connection, transfer files, and stream media from greater distances around your home or office.

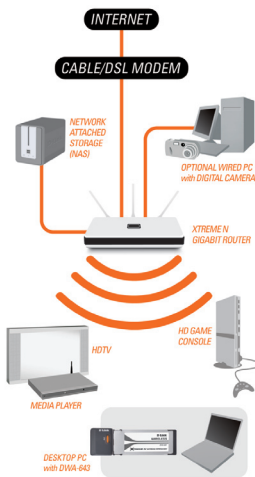
XTREME N™ ADAPTER BENEFITS

- + Delivers much faster speeds and many times farther range than 802.11g
- + Xtreme N technology enables and enhances HD video streaming, file sharing, Internet phone calling (VoIP) and web surfing.
- + Secures wireless network access using advanced WEP, WPA or WPA2 encryption
- + Easy to install and use with D-Link's new Quick Adapter Setup Wizard
- + Backward compatible with existing 802.11g and 802.11b networks

EXPRESSCARD BENEFITS

- + Much faster than legacy CardBus²
- + Approximately half the size and weight of a standard CardBus adapter
- + Provides superior performance, better reliability and expansion flexibility over CardBus²

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

STANDARDS

- + IEEE 802.11n (draft)
- + IEEE 802.11g
- + IEEE 802.11b

HOST INTERFACE

ExpressCard/34

FREQUENCY RANGE

- + 2.412GHz to 2.462GHz (North America)
- + 2.412GHz to 2.472GHz (General Europe)

DATA RATES

- + 802.11g: 6/9/12/18/24/36/48/54Mbps
- + 802.11b: 1/2/5.5/11Mbps
- + 802.11n: 30/60/90/120/180/240/270/300Mbps

EMISSION SCHEMES

- + DSSS
- + OFDM

TRANSMIT OUTPUT POWER

17dBm (typical)

MINIMUM SYSTEM REQUIREMENTS

- + Computer with
 - Windows XP or Windows 2000
 - CD-ROM Drive
 - 20MB Hard Disk Space
 - ExpressCard Slot

SECURITY

- + 64-128-bit Wired Equivalent Privacy (WEP)
- + Wi-Fi Protected Access (WPA & WPA2)

LED

Act

OPERATING VOLTAGE

3.3 VDC +/- 10%

CURRENT CONSUMPTION

Max. 3.3W

DIMENSIONS

112 x 33.4 x 8 mm (4.41 x 1.31 x 0.31 inches)

OPERATING TEMPERATURE

0°C to 40°C (32°F to 104°F)

STORAGE TEMPERATURE

-20°C to 65°C (-4°F to 149°F)

OPERATING HUMIDITY

10% to 90% non-condensing

STORAGE HUMIDITY

5% to 95% non-condensing

CERTIFICATIONS

- + FCC Class B
- + CE
- + IC
- + C-Tick

RECOMMENDED SYSTEM REQUIREMENTS

For Optimal Wireless Performance:
Use with Xtreme N Gigabit Router (DIR-655)

U.S. SUPPORT

Windows 2000, XP, Vista *

* Vista support available in future driver update

wireless family comparison

features	wireless g	rangebooster n	xtreme n
wireless performance			
advanced wireless network security			
greater wireless coverage for homes & offices			
easy network security setup			
sustained wireless performance from farther distances			
recommended applications			
high-speed Internet access & file sharing			
enable lag-free gaming			
enable jitter-free Internet phone calls (VoIP)			
steady audio streaming			
high-definition video streaming			

¹ Maximum wireless signal rate derived from IEEE Standard 802.11g and draft 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. Wireless range and speed rates are D-Link RELATIVE performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link. Maximum throughput based on D-Link draft 802.11n devices.

² Maximum throughput derived from CardBus and ExpressCard specifications.

³ Computer must adhere to Microsoft's recommended System Requirements.

This product is based on IEEE draft 802.11n specifications and is not guaranteed to be forward compatible with future versions of IEEE 802.11n specifications. Compatibility with draft 802.11n devices from other manufacturers is not guaranteed. All references to speed and range, including the performance chart, are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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