



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.

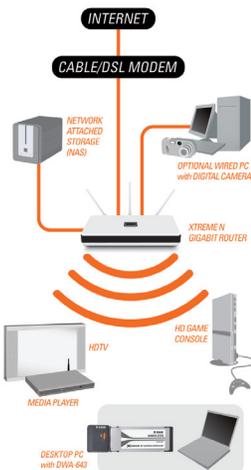
XTREME N™ ADAPTER BENEFITS

- + 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)

O.S. SUPPORT

Windows 2000, XP, Vista *

* Vista support available in future driver update

wireless 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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D-Link Worldwide Offices

U.S.A	TEL: 1-800-326-1688	FAX: 1-866-743-4905	Spain	TEL: 34 93 409 0770	FAX: 34 93 491 0795	Pakistan	TEL: 92-21-454-8158	FAX: 92-21-453-5103
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Portugal	TEL: 351 21 8688493		Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Europe, UK & Ireland	TEL: 44-20-8955-9000	FAX: 44-20-8955-8002	Greece	TEL: 30 210 9914 512	FAX: 30 210 9916902	Latin America	TEL: 56-2-5838-950	FAX: 56-2-5838953
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300	Czech Republic	TEL: 420 224 247 500		Brazil	TEL: 55-11-2185-8300	FAX: 55-11-2185-9322
France	TEL: 33 1 30 23 86 88	FAX: 33 1 30 23 86 89	Hungary	TEL: 36 (0) 1 461 30 00	FAX: 36 (0) 1 461 30 09	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	Poland	TEL: 48 (0) 22 583 92 7	FAX: 48 (0) 22 583 92 76	Russia	TEL: 7-495-744-0099	FAX: 7-495-744-0099
Belgium & Luxembourg	TEL: 32(0)2 517 7111	FAX: 32(0)2 517 6500	Singapore	TEL: 65-6774-6233	FAX: 65-6774-63225	Japan	TEL: 81-3-5781-0863	FAX: 81-3-5781-0865
Switzerland	TEL: 41 (0) 1 832 11 00	FAX: 41 (0) 1 832 11 01	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868	Korea	TEL: 82-2-890-5491	FAX: 82-2-890-549
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901	India	TEL: 91-22-2652 6696	FAX: 91-22-2652 8914	China	TEL: 86-10-58635800	FAX: 86-10-58635799
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	Middle East (Dubai)	TEL: 971-4-391-6480	FAX: 971-4-390-8881	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-3939
Norway	TEL: 47 99 300 100	FAX: 47 22 30 95 80	Egypt	TEL: 202-291-9035	FAX: 202-291-9051	Headquarters	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898
Finland	TEL: 358-10 309 8840	FAX: 358-10 309 8841	Turkey	TEL: 90-212-289-5659	FAX: 90-212-289-7606			
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	Iran	TEL: 90-212-289-5659	FAX: 90-212-289-7606			