D-Link®

up to 6X range[1]
14X speed[1]

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.

b g WiFi n DRAFT CERTIFIED®

XTREME N™ NOTEBOOK EXPRESSCARD™

| Wirelessly stream HD video, share files, and go online | Fits into all standard ExpressCard slots | Slimmer, lighter, and higher performance than CardBus |

ULTIMATE PERFORMANCE

The D-Link Xtreme N™ Notebook ExpressCard™ (DWA-643) is a draft 802.11n compliant wireless client for your notebook PC with an available ExpressCard slot. This wireless adapter delivers up to 14x faster speeds[1] and 6x farther range[1] than 802.11g while staying backward compatible with 802.11g networks. Once connected, you can share a high-speed Internet connection, photos, files, music, printers, and more. In addition, the ExpressCard interface provides up to 236% faster performance and better reliability than the legacy CardBus[2] interface. Additionally, having an ExpressCard/34 form factor (34mm x 75mm), 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 an Xtreme N Gigabit Router (DIR-655 or DIR-660)[1]. The DWA-643 supports 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 D-Link Xtreme N Notebook ExpressCard (DWA-643) is the best choice for easily adding or upgrading wireless connectivity to your ExpressCard-enabled notebook PC.

WIRELESS N

DWA-643

TECHNICAL SPECIFICATIONS

STANDARDS
+ IEEE 802.11n (draft 2.0)
+ IEEE 802.11g

INTERFACE
ExpressCard/34

FREQUENCY RANGE
2.4GHz to 2.4835GHz

SECURITY
+ Wi-Fi Protected Access (WPA & WPA2)

LED
Activity

CERTIFICATIONS
FCC Class B, CE

OPERATING TEMPERATURE
32°F to 131°F (0°C to 55°C)

OPERATING HUMIDITY
90% Maximum (Non-condensing)

DIMENSIONS
+ Item (WxDxH): 2.4" x 4.7" x 0.2"
+ Packaging (WxDxH): 9.3" x 6.6" x 1.4"

WEIGHT
+ Item: 0.20 lbs
+ Packaging: 0.61 lbs

WARRANTY
1-Year Limited[3]

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.
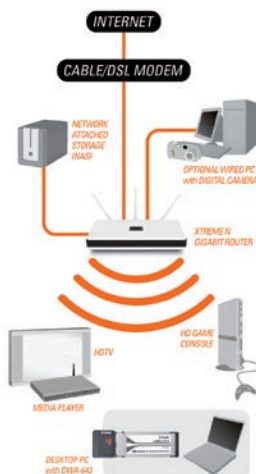
XTREME N™ ADAPTER BENEFITS

+ Delivers up to 14x faster speeds[1] and 6x farther range[1] than 802.11g

+ Xtreme N technology enables HD video streaming, file sharing, enhanced Internet phone calling (VoIP), and surfing the Web

+ Access secure wireless networks using advanced WPA™ or WPA2™ encryption

+ Easy to install and use with D-Link's new Quick Adapter Setup Wizard

+ Backward compatible with existing 802.11g networks

EXPRESSCARD BENEFITS

+ Up to 236% faster than legacy CardBus[2]

+ Approximately half the size and weight of a standard CardBus adapter

+ Provides superior performance, better reliability, and expansion flexibility over CardBus[2]

YOUR NETWORK SETUP

INTERNET
CABLE/DSL MODEM
NETWORK ATTACHED STORAGE (NAS)
OPTIONAL WIRED PC with DIGITAL CAMERA
XTREME N GIGABIT ROUTER
HD GAME CONSOLE
HDTV
MEDIA PLAYER
DESKTOP PC with DWA-643

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] 1-Year Limited Warranty available only in the USA and Canada.
[4] Computer must adhere to Microsoft's recommended System Requirements.
[5] Latest software and documentation are available at http://support.dlink.com.

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.

Wi-Fi PROTECTED SETUP

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

MINIMUM SYSTEM REQUIREMENTS
+ Computer with:
  - Windows Vista™ (32-bit only), Windows® XP SP2 or Windows 2000 SP4
  - CD-ROM Drive
  - 20MB Hard Disk Space
  - ExpressCard Slot
+ For Internet Access:
  - Cable or DSL Modem
  - Wireless Router
  - Subscription with an Internet Service Provider (ISP)

PACKAGE CONTENTS
+ Xtreme N Notebook ExpressCard
+ Quick Installation Guide
+ CD-ROM[5] with
  - Installation Wizard
  - Drivers
  - Product Documentation

WIRELESS N