XTREME N™ *PCI EXPRESS DESKTOP ADAPTER*

Wirelessly stream HD video, share files, and surf the Internet	Get maximum performance from your desktop adapter	Connects to any standard PCI Express (PCIe) slot

ULTIMATE PERFORMANCE

The DWA-556 D-Link Xtreme N™ PCI Express Desktop Adapter is a draft 802.11n wireless client that delivers unrivaled wireless performance for your PCI Express-enabled desktop computer. The PCI Express interface provides superior performance over a standard PCI interface. 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, videos, printers, and storage.

GET CONNECTED, STAY CONNECTED

The Xtreme N™ PCI Express Desktop Adapter is powered by Xtreme N™ technology and boasts three external antennas to provide superior wireless reception in your home or office. This adapter is designed for use in larger homes and offices, or for users running multiple bandwidth-intensive applications. It 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-556 adapter supports WEP, WPA™, and WPA2™ encryption allowing you to connect securely to a wireless network.

EASY TO SETUP, EASY TO USE

D-Link's Quick Adapter Setup Wizard guides you through the installation process step-by-step. Configure this desktop adapter without having to call a networking expert to help you. With unmatched wireless performance, reception, and security, the DWA-556 D-Link Xtreme N PCI Express Desktop Adapter is the best choice for easily adding or upgrading wireless connectivity to your PCI Express-enabled desktop computer.

DWA-556

WHAT THIS PRODUCT DOES

Connects your PCI Express-enabled desktop computer to a wireless network to access high-speed Internet connection. Transfer files and stream media from greater distances around your entire home or office.
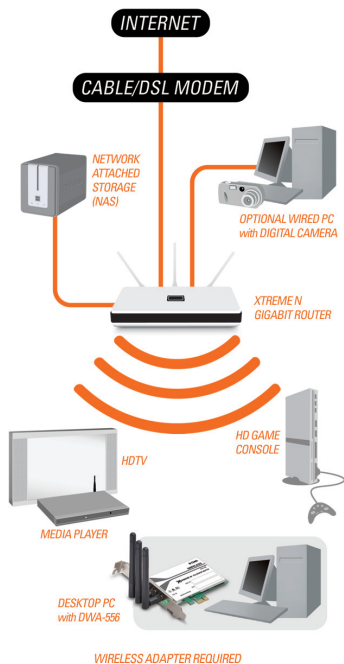
XTREME N™ ADAPTER BENEFITS

+ 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.
+ Secure wireless network access using advanced WEP, WPA™, or WPA2™ encryption.
+ Easy installation and usage with D-Link's new Quick Adapter Setup Wizard.
+ Backward compatibility with existing 802.11g and 802.11b networks.

PCI EXPRESS BENEFITS

+ Much faster than legacy PCI cards
+ Fits any standard PCI Express slot – x1, x4, x8, x16.
+ Offers increased bandwidth, reliability, and more functionality than a standard PCI network card.

YOUR NETWORK SETUP

INTERNET

CABLE/DSL MODEM

NETWORK ATTACHED STORAGE (NAS)

OPTIONAL WIRED PC with DIGITAL CAMERA

XTREME N GIGABIT ROUTER

HDTV

HD GAME CONSOLE

MEDIA PLAYER

DESKTOP PC with DWA-556

WIRELESS ADAPTER REQUIRED

TECHNICAL SPECIFICATIONS

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

INTERFACE
X1 PCI Express

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

DATA RATES [1]
+ 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)

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

ANTENNAS
Three 2.0dBi dipole antennas with reverse SMA plugs

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

MINIMUM SYSTEM REQUIREMENTS
Computer with:
+ Windows® XP or Windows 2000 [2]
+ CD-ROM
+ 20MB Hard Disk Space
+ x1 PCI Express Slot

LED
+ Activity

OPERATING VOLTAGE
3.3 VDC +/- 10%

CURRENT CONSUMPTION
Max. 3.3W

DIMENSIONS
+ Standard Bracket:
120mm (L) x 125mm (W) x 19mm (H) (4.72" x 4.92" x 0.75")
+ Short Bracket:
80mm (L) x 125mm (W) x 19mm (H) (4.64" x 3.15" x 0.34")

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

O.S. SUPPORT
Windows 2000, XP, Vista *

wireless family comparison

features	wireless g	rangebooster n	xtreme n
wireless performance	◗	◗	◗
supports 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	●	●	●
lag-free gaming		●	●
jitter-free Internet phone calls (VoIP)		●	●
steady audio streaming		●	●
high-definition video streaming			●

[1] Maximum wireless signal rate derived from IEEE standard 802.11b, 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] 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 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.