



3-D Reach[®] Wireless Adapters

HIGHLIGHTS

- Extended Wireless Connectivity**
 Wi-Fi 802.11b/g connectivity for laptop and desktop computers with PC Card and USB form factors. Now with support for Wi-Fi Protected Setup™ (WPS) for easy setup and provisioning.
- Extra Security**
 WEP, Wi-Fi Protected Access, and Wi-Fi Protected Access 2 encryption protect your wireless connection from unwanted intrusions
- Secure, Easy Configuration**
 Now with support for Wi-Fi Protected Setup (WPS) for a secure, easy configuration
- Windows® Vista™ Support**
 Enables use of Vista's new wireless features and enhancements

USB or PC card adapters provide robust, secure, and seamless wireless networking for a multitude of applications

Motorola 3-D Reach Wireless Adapters allow laptop and desktop computers to securely connect to wireless networks using the 802.11b/g standard. Available in either PC Card or USB adapter form factors, the adapters support the latest in wireless features, security, and quality of service, including support for Windows Vista.

Support for Wired Equivalent Privacy (WEP), Wi-Fi® Protected Access, and Wi-Fi Protected Access 2 offer robust security, while new Quality of Service (QoS) features assist in the delivery of quality-sensitive applications. Power-saving features such as Wi-Fi Multimedia-Power Saving (WMM-PS) and transmit power control help to conserve laptop battery life.

The 3-D Reach Wireless Adapters are Wi-Fi CERTIFIED™ and seamlessly connect to any 802.11b/g wireless router or gateway at speeds of up to 54 Mbps, providing high-performance connectivity to all types of broadband networks and delivering the ultimate triple-play wireless experience for video, voice, and data.

The PC Card form factor is perfect for laptop computers and allows a user to roam throughout a household, office, or Wi-Fi hot spot. The USB adapter provides the maximum in flexibility, allowing any laptop or desktop with a USB port to connect to a wireless network—ideal for network installations where connecting Ethernet cables is not convenient.

The Motorola 3-D Reach Adapters feature a smart and easy-to-use installation wizard for fast and secure connectivity supporting the industry-standard Wi-Fi Protected Setup™. Once installed, the configuration utility runs in the system tray and provides advanced wireless networking and security features, including:

- Signal strength and link speed monitoring
- Wireless network availability
- Security (WEP, Wi-Fi Protected Access, or Wi-Fi Protected Access 2)
- Network profile creation

**WI-FI PROTECTED
SETUP™**

The Motorola 3D Reach Adapter is equipped with Wi-Fi Protected Setup pairing technology. Wi-Fi Protected Setup is a certification program from the Wi-Fi Alliance that is designed to ease the task of setting up and configuring security on wireless local area networks. Introduced by the Wi-Fi Alliance in early 2007, the program provides an industry-wide set of network setup solutions for home and small office (SOHO) environments. Wi-Fi Protected Setup enables typical users who possess little understanding of traditional Wi-Fi configuration and security settings to automatically configure new wireless networks, add new devices, and enable security.

Specifications

HARDWARE

PC Card Interface	32-Bit CardBus Type II
USB Adapter Interface	USB 2.0 (1.1 compatible)
Operating Channels	
North America	1 to 11
Europe	1 to 13
Frequency Band	2.4 GHz to 2.48 GHz
Media Access Protocol	CSMA/CA
Supported Data Rates	
802.11b	1, 2, 5.5, 11 Mbps with Auto-Rate Fallback
802.11G	6, 9, 12, 18, 24, 36, 48, 54 Mbps with Auto-Rate Fallback
Modulation Techniques	802.11b DSSS/CCK 802.11g OFDM
LEDs	Link and Activity

STANDARDS

IEEE 802.11b 11 Mbps Wi-Fi
IEEE 802.11g 54 Mbps Wi-Fi
IEEE 802.11d Global Harmonization
IEEE 802.11h Dynamic Frequency Selection and Transmit Power Control
IEEE 802.11i
Wi-Fi Protected Setup (simple config.)

DRIVER SUPPORT

Windows® 98SE, Me®, 2000, XP™, Vista™ 32/64 (64 USB only)
Microsoft WHQL-certified
Microsoft Vista-certified

SECURITY

WEP Encryption	64-bit and 128-bit
WPA Encryption	TKIP, 802.1x (PEAP, TLS/Smartcard, TLS, LEAP, MD5), PSK, AES
WPA2 802.11i	

QUALITY OF SERVICE

802.11e	
WMM (Wi-Fi Multimedia),	WMM-PS (advance power-saving algorithm for dynamic network traffic environments)

OPERATING CHANNELS

US/Canada	1 to 11
EU Countries	1 to 13

REGULATORY

Wi-Fi-certified
FCC Part 15, Class B
CE Mark
RoHS-compliant

ENVIRONMENTAL

Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Operating Humidity	10% to 85%
Storage Temperature	-4 °F to 149 °F (-20 °C to 65 °C)
Storage Humidity	5% to 95%
Power Consumption	2.45 W (typical)
Operating Voltage	3.3 V

WEIGHT AND DIMENSIONS

Weight	PC Card 38 g (1.4 oz) USB Adapter 18 g (0.7 oz)
Dimensions	
PC Card	0.2 in H x 2.1 in W x 4.6 in L (5 mm x 54 mm x 117 mm)
USB Adapter	0.4 in H x 0.9 in W x 3.0 in L (10 mm x 25 mm x 75 mm)

ORDERING INFORMATION

TER/GCBA2-N1	PC Card 802.11b/g—North America
TER/GCBA2-E1	PC Card 802.11b/g—EMEA
TER/GUSB2-N1	USB Adapter 802.11b/g—North America
TER/GUSB2-E1	USB Adapter 802.11b/g—EMEA



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Motorola, Inc. 101 Tournament Drive, Horsham, Pennsylvania 19044 U.S.A. www.motorola.com

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