Intel® PRO/Wireless 2200BG Network Connection

An embedded 802.11b/g MiniPCI type 3B adapter operating in the 2.4GHz spectrum. This solution is based on the MiniPCI Type 3B form factor designed to meet the space and size requirements for thin and light weight notebook computer systems.

Key Features:

■ IEEE 802.11b/g standard dual mode Wi-Fi CERTIFIED* Wireless LAN support (2.4GHz) [+]

■ Up to 54 Mbps at 2.4 GHz (Note 802.11b up to 11Mbps and 802.11g up to 54 Mbps throughput)

■ Industry standard wireless LAN security support is available (802.1X, WEP, WPA[§]) and upgradeable support for AES with enabling software implementation. [‡]

■ Cisco* Compatible Extensions (such as LEAP and CKIP) support available on certain models. Check with your PC manufacturer for Cisco security support.[§]

■ Support for antenna diversity enables optimized WLAN performance for multi-antenna systems.

■ Intel® Wireless Coexistence System capability enables Bluetooth* co-existence

■ Support for Wireless Multimedia Extensions (WME) [Δ]

Technical Specifications

Model Name	Intel® PRO/Wireless 2200BG Network Connection (WM3B2200BG)
Dimensions (H x W x D)	1.75 in x 2.35 in x 0.19 in (44.60 mm x 59.75 mm x 4.9 mm)
Weight	12g
Antenna Interface Connector	Hirose U.FL-R-SMT mates with cable connector U.FL-LP-066
Dual Diversity Antenna	On-board dual diversity switching support for systems designed with two antennas
Radio ON/OFF control[◊]	Supported by both hardware and software
Connector Interface	MiniPCI Type III edge connector
LEDs output	Link, Activity
Operating Temperature	0 to +80° Celsius
Humidity Non-Operating	50 to 92% RH non-condensing (at temperatures of 25°C to 80°C)

Technical Specifications continued

Operating System	Microsoft* Windows˙ XP (Professional, Home, Tablet), 2000
Wi-Fi Alliance	Wi-Fi CERTIFIED* for 2.4 GHz band and WPA
WHQL	YES
MiniPCI Compliant	YES

WLAN Standard	IEEE 802.11g and IEEE 802.11b
Architecture	Infrastructure or ad hoc (peer-to-peer)
Roaming[1]	802.11g and 802.11b compliant for seamless roaming between respective access points (802.11b, 802.11g, 802.11b/g)
Security	
AUTHENTICATION	LEAP[§], WPA[§], 802.1X, EAP-TLS,
ENCRYPTION	CKIP, TKIP, 128-bit and 64-bit WEP
Product Safety	UL, C-UL, CB (IEC 60590)
Compliance	

Products Available		Product Code
Intel® PRO/Wireless 2200 BG Network Connection *(802.11b/g dual band)*		WM3B2200BG

Intel® PROSet for Wireless Software◊

As part of Intel® PRO Network Connection Software, Intel® PROSet for Wireless software provides driver consistency. Intel PROSet for Wireless software helps enable a superior mobile experience by providing:

- Connection Status
- Network/Wireless Adapter Management
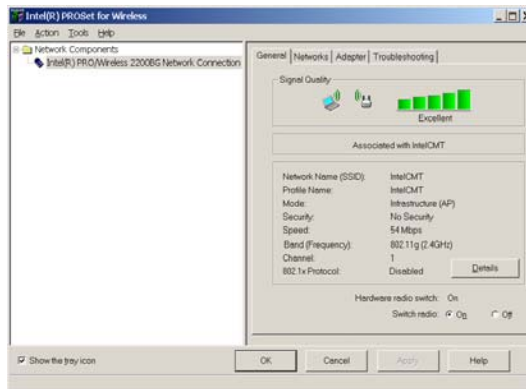
Connection Status
- Signal Strength
- Network Name
- Security
- Radio On/Off
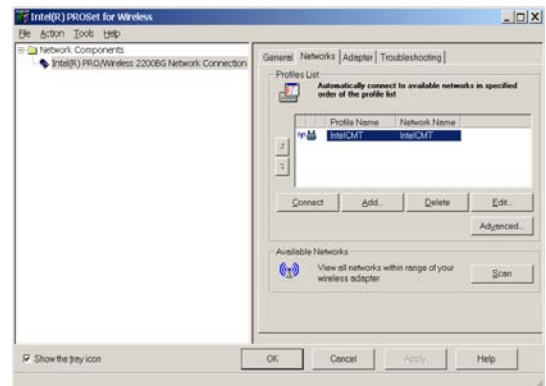
Network/Wireless Adapter Management
- Network Management
  - Network Name
  - Security Settings
  - Network Discovery
  - Multiple profile setup
- Wireless Adapter Management
  - Power Settings