Zoom Wireless-G PCI

Wi-Fi® LAN Adapter

Supports 802.11g and 802.11b

- Plugs into the PCI slot of a Windows computer (XP, 2000, Me, 98SE)

- Works in all 802.11g, 802.11b, and mixed networks

- High Security with WPA (WiFi® Protected Access), WPA 2, and WEP

- Model 4414F has a standard mounting bracket for desktop systems.
  Bracket length is 12.1 cm (4.75 inches)

- Model 4416F has a short mounting bracket for installation in low-profile
  desk top systems. The Model 4416F plugs directly into a PCI expansion slot of
  a low-profile system and does not require a riser card.
  Bracket length is 8 cm (3.15 inches)

- ROHS compliant

- 2-Year Manufacturer Warranty

System Requirements

- Windows XP, 2000, Me, or 98SE computer (98SE
  requires 300 MHz or faster processor and 64 MB RAM)

- Available PCI slot

- CD-ROM drive

Package Contents

- Wireless-G PCI Adapter Card

- CD with installation software and User Manual in English,
  Portuguese, Spanish, and Turkish

- Quick Start Manual (7 languages)

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RoHS
2002 / 95 / EC

**Model 4414F and
Model 4416F
Wireless-G PCI
Specifications**

Standards	• IEEE 802.11b/g (Wireless LAN)
Interface	• 32 bit PCI V.22 specification
Network Configuration	• Ad-Hoc (peer to peer) • Infrastructure
Security	• 64/ 128 bit, WEP (Wired Equivalent Privacy) with Pass Phrase • WPA and WPA2 (Wifi® Protected Access) with Pass Phrase • WPS for automatic configuration of the highest available security when connecting to WPS enabled access points
Radio Technology	• 802.11b: Direct Sequence Spread Spectrum (DSSS) • 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)
Antenna	• Type: Detachable external, RP-SMA, on card: female connection
Transmission Rates	• 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps • Zoom 140 Speed Booster for up to 140 Mbps effective rate*
Range Coverage	• Indoor : Up to 100 Meters (328 Feet) depending on environment • Outdoors: Up to 350 Meters (1155 Feet) depending on environment
Receiver Sensitivity	• 54 Mbps: Typical -65 dbm @ <10 % PER (Packet Error Rate) • 11 Mbps: Typical -80 dbm @ <8% PER (Packet Error Rate)
Wireless LAN Frequency Range	• IEEE 802.11b/g • US (FCC) Channel 1 through 11 • Canada (IC) Channel 1 through 11 • Europe (ETSI) Channel 1 through 13
Dimensions (L x W x H)	• Model 4414F: 41cm x 120cm x 8 cm / 1.61 inches x 4.72 inches x .06 inches • Model 4416F (low profile): 41cm x 120cm x 1.6 cm / 1.61 inches x 4.72 inches x 3.15 inches
Weight	• less than 50 grams / 1.8 ounces
Operating Voltage	• DC 3.3 with +/- 5%
Temperature	• Operating 0º to 50º C • Storage -20º to 60º C
Humidity	• 90% non-condensing
Power Consumption (Typical)	• Transmit Mode: 1.58 watts • Receive Mode: 1.12 watts
Transmit Power (Typical)	• > 14 +/- 2 dBm (54 Mbps) • > 16 +/- 2 dBm (11 Mbps)
Compliance	• FCC SAR, Part 15B, Part 15C • CE • Restriction on Hazardous Substance (RoHS)
Software Drivers	• Windows 98, 98SE, Me, 2000, XP