



DATA SHEET

3Com® 11 Mbps Wireless LAN PC Card with XJACK® Antenna

Key Benefits

Flexible, secure wireless LAN access

Product Features

Flexible

The 3Com® 11 Mbps Wireless LAN PC Card features our patented XJACK® antenna, which is ideal for mobile users. It extends for excellent reception, then tucks safely away while traveling. Rigorous testing and Wi-Fi certification give you trouble-free interoperability with all Wi-Fi certified products from 3Com and other vendors. And country configuration software enables global wireless LAN connections.

Secure

Support for 802.1x, EAP-MD5, EAP-TLS, and serial authentication further enhances wireless security and simplifies network management. When used with a 3Com 11 Mbps Wireless LAN Access Point 8000 or 6000, this PC Card delivers 3Com's Dynamic Security Link, which automatically negotiates a unique security key for each session.

Reliable

This wireless LAN PC Card offers a host of features that give you reliable wireless connections, excellent speeds, and an extensive operating range. Through simple software updates, you'll be able to upgrade to new features with ease.

Simple

Intelligent features simplify setup, so you can be ready to go in minutes. For example, 3Com Wireless LAN Manager helps you configure this PC Card for operation at remote branch offices equipped with Wi-Fi certified wireless LANs. This PC Card is also designed for software upgrade-ability, so it's easy to upgrade to the latest drivers and firmware.

Flexible Wireless Connections

| | |
|---|---|
| Patented XJACK® antenna | Extends for excellent wireless LAN performance, and retracts to keep the card safe while traveling. Using the XJACK antenna, there is no need to remove the PC Card from your notebook. |
| XJACK antenna smart switch | Pushes in for power save mode, which preserves battery life. Pops out for wireless connectivity. |
| Infrastructure and ad hoc networking | Lets users connect to a network through a wireless LAN access point or directly to another WLAN client device when an access point is not available. |
| Popular OS support | Supports Windows XP, 2000, Me, and 98 SE. |
| Standards Compliant | |
| 802.11b, 802.1x, EAP-MD5, and EAP-TLS standards support | Enables compatibility with a wide range of access points and network infrastructures. |
| Wi-Fi certification | Allows this PC Card to interoperate with other Wi-Fi certified products—from 3Com and other vendors. |

Product Features

| Secure | |
|--|---|
| 3Com Dynamic Security Link | When used with the 3Com Access Point 6000, delivers user authentication and user-specific, 128-bit encryption keys that change for each networking session. |
| 3Com serial authentication | When used with the 3Com Access Point 8000, provides an upper-layer authentication technique that uses both EAP-TLS and EAP-MD5. Using these complementary authentication mechanisms in tandem enhances security by requiring a username/password and an electronic security certificate to gain access to the network. |
| IEEE 802.1x | Provides port-based network access control. Clients can be required to authorize through a RADIUS server to use the wireless LAN. |
| Encryption | Uses 40-bit and 128-bit WEP encryption, helping ensure all wireless transmissions remain private. |
| Easy to Use | |
| 3Com Wireless LAN Manager | Lets you create profiles that reflect specific wireless LAN settings for each place you travel. The software also displays connection status and features simple-to-use diagnostic tools. |
| Designed for upgradability | Makes it easy to upgrade to the latest drivers and firmware. |
| Future Enhancements (Available Fall 2002) | |
| Autonomous load balancing | Maximizes throughput by monitoring access point traffic and connecting to access points that provide the most optimal bandwidth. |
| 802.11d roaming | Receives signals from Access Points that support 802.11d and then automatically activates unique geographical wireless LAN settings—eliminating the need to manually define these settings on each client. |
| Enhanced Wireless LAN Manager | Automatically detects locations and activates wireless LAN profiles that you define. It will also automatically launch a VPN session based on location, making getting connected even easier. |
| 3Link | Makes launching multiparty software applications such as Microsoft NetMeeting simple. 3Link, a peer-to-peer software application, automatically discovers and displays other 3Link clients on your local area or ad hoc network. Simply select users from a list, then click the invitation link. If the recipient accepts, the session is set up automatically. Since there's no need for an Internet connection, it's an excellent solution for mobile collaboration. |
| Windows CE/Pocket PC 2002 drivers | Provides wireless connectivity for handheld PCs. |

Specifications

Standards Conformance

Wi-Fi certified
IEEE 802.11b

Frequency Range

Channels 1-13:
2.401-2.483 GHz
Channels 10-13:
2.451-2.483 GHz
Channels 5-7:
2.421-2.453 GHz

Data Rates

11, 5.5, 2, and 1 Mbps
(supports dynamic rate shifting)

Computer Slot Type

PC Cards: Type II 16-bit PC Card

Operating Voltage

3.0 V–3.6 V

Security

40- and 128-bit WEP encryption
802.1x, EAP-MD5, EAP-TLS,
3Com serial authentication
3Com Dynamic Security Link

Drivers/Supported Operating Systems

NDIS 5
NDIS 5.1
Windows 2000, Me, 98 SE
Windows XP
Pocket PC Windows CE
(Fall 2002)

Safety and Electromagnetic Conformance

Safety: UL/CSA 60950, EN 60950
Radio: FCC Part 15.247, RSS-210,
EN 300 328-2
EMC: FCC Part 15 Subpart B,
EN 301 489-17
SAR: FCC OET Bulletin 65,
RSS-102, prEN 50371

Physical Dimensions

3CRWE62092B (extended):
105.2 mm x 54 mm x 5 mm
3CRWE62092B (retracted):
85.6 mm x 54 mm x 5 mm

Environmental Operating Ranges

Temperature: 0 to 50° C,
Humidity: 10 to 95%

Status LEDs

Power=solid on
Link=blink
Activity=fast blink

Warranty

5 Year limited warranty.

Ordering Information

| Product Name | Region | Order Number |
|---|--------------------|----------------|
| 3Com 11 Mbps Wireless LAN PC Card with XJACK® Antenna | Worldwide* | 3CRWE62092B |
| | Asia/Pacific Rim** | 3CRWE62092B-AP |

* English, French, Italian, German, Spanish

** English, Japanese, Korean, Chinese



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To learn more about 3Com solutions, visit www.3com.com. 3Com is publicly traded on Nasdaq under the symbol COMS.

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