



DATA SHEET

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

The Simple,
Reliable Way
to Network—
Without Wires

It's an information-driven world. Whether you're at work, home, school, or on the road, you need constant connectivity in order to make better decisions and gain access to the information you need. That's why more people are turning to notebook PCs for the freedom to work, learn, and play anywhere and anytime.

Going online with a mobile PC used to mean you were constantly dealing with wiring constraints and configuration hassles. Not anymore. The 3Com® 11 Mbps Wireless LAN PC Card with XJACK® antenna lets you take your notebook anywhere, and connect instantly and securely to any Wi-Fi™ certified device or network. You get “wired-like” performance wherever and whenever you need it, without wires or configuration hassles.

Key Benefits

Great Performance

3Com 11 Mbps Wireless LAN PC Cards send and receive information wirelessly over a range of 100 m (328 ft)* from access points, at speeds up to 11 Mbps. That's more than five times the performance of previous-generation wireless LANs and roughly equivalent to standard wired Ethernet LANs.

Simple To Use

3Com 11 Mbps Wireless LAN PC Cards are designed for effortless usability. The Auto Network Connect† feature allows the PC Card to find and connect to a nearby access point automatically upon startup, and stay connected as you roam among access points—even across router boundaries. There's no need to manually configure a network connection. Just start up and go.

This wireless LAN PC Card is so powerful and simple to use, it even lets users share information when there's no network present. With the ad hoc networking feature, two or more wireless PC Cards can communicate with each other without using a network access point. At the click of a button, you can quickly and easily establish a temporary network at a conference center, in a hotel room, or on a job site.

Reliable

3Com's unique XJACK antenna extends for clear, interference-free reception, then retracts within the PC Card for safety and convenience while in transit. There's nothing extra to carry, lose, or break.

On startup, the PC Card scans the environment and picks the best available access point. Dynamic rate

*100 m (328 ft) range depends on physical conditions and other electronic devices in the area.

†Requires the 3Com 11 Mbps Wireless LAN Access Point 6000.

Reliable network connections no matter what physical conditions or usage patterns are encountered

shifting enables the PC Card to automatically choose the best connection speed (11, 5.5, 2, or 1 Mbps) based on signal strength and distance from the access point. This provides the fastest possible connection rate and ensures connectivity even at long range or in noisy environments. Seamless roaming from access point to access point guarantees a continuous connection as you move throughout the building. Together, these features ensure reliable network connections no matter what physical conditions or usage patterns are encountered.

Secure

People who are considering wireless networks often wonder about security. The 3Com 11 Mbps Wireless LAN PC Card supports both 40-bit Wired Equivalent Privacy (WEP) encryption and 128-bit encryption (where allowed by law).

If you use this PC Card with the 3Com 11 Mbps Wireless LAN Access Point 6000, you can take advantage of our advanced Dynamic Security Link[†] technology. Unlike shared key schemes, this technology automatically generates a new 128-bit encryption key for each session—providing a much higher level of security and freeing the user from the inconvenience of entering keys manually. And for additional security, you can implement user authentication, requiring all users to log in with a name and password at each session.

Compatible

The 3Com 11 Mbps Wireless LAN PC Card is Wi-Fi certified, so you can use it with any vendor's Wi-Fi certified network or device—at the office, in public areas, or even on your wireless home network. You can purchase Wi-Fi certified products with confidence that they'll interoperate with any vendor's Wi-Fi certified products, now and in the future. There's no need to worry about being locked into a single-vendor solution. And the Wi-Fi specification helps promote standardization within the wireless LAN market, yielding a greater selection of products at lower prices.

For more information, visit the Wi-Fi Web site at www.wi-fi.org.

3Com Makes Your Mobile PC Truly Mobile

The 3Com 11 Mbps Wireless LAN PC Card allows you to connect effortlessly and instantly—without drilling holes, laying cables, or configuring complicated settings. Just pop the PC Card into your notebook, start up, and you're automatically connected while within range of any Wi-Fi certified wireless network. Enjoy unprecedented freedom to:

- Access the company network and Internet wherever you want—in conference rooms, coworkers' offices, the cafeteria, or even an outdoor courtyard.
- Keep projects flowing and stay productive even while away from your desk.
- Access e-mail and the Internet in hotels, airports, cafés, and other public spaces that provide Wi-Fi certified access points.
- Connect instantly while visiting from a branch office or consulting on-site.
- Access digital libraries for student or professional research.
- Connect to your wireless home gateway to telecommute, surf the Web by the pool, or respond to e-mails from the comfort of your couch.

The 3Com 11 Mbps Wireless LAN PC Card gives you dependable performance right out of the box—with the added assurance that it's backed by 3Com's world-class, worldwide service and support.

There's no more reliable, secure, cost-effective way to unleash your mobile PC from the constraints of network wiring, while ensuring interoperability with the wireless systems that are quickly becoming the networks of choice in businesses, schools, and homes around the world.

To learn more about 3Com wireless solutions, visit www.3com.com.

Product Features and Benefits

| Feature | Benefit |
|------------------------------------|--|
| Performance | |
| High-performance connections | Notebook users can connect to the network wirelessly at speeds up to 11 Mbps at distances of 100 m (328 ft). |
| Power-saving mode with auto detect | The PC Card automatically selects the appropriate power mode based on whether an AC connection is present. While the notebook is plugged into an AC power outlet, the PC Card runs in Continuous Aware Mode, receiving packets as soon as they are transmitted. While running on battery power, the PC Card switches to Power Save Polling Mode, which saves power by waking the wireless transceiver periodically to receive packets buffered in the access point. The user can also override the auto detect feature and choose the desired mode manually. |
| Reliability | |
| XJACK antenna | 3Com's unique XJACK antenna extends to provide excellent reception anywhere you need it, then retracts within the notebook so you can travel conveniently without worrying about breakage. |
| Dynamic rate shifting | Based on signal strength and distance from the access point, connection speeds dynamically shift between 11, 5.5, 2, and 1 Mbps to guarantee connectivity at the fastest possible rate, even at long range or in noisy environments. |
| Simplicity | |
| Auto Network Connect [†] | Get constant network connectivity. If you roam into an area where the IP (network) address is no longer valid, a new one is assigned automatically. That means you can roam seamlessly across router boundaries without ever reconfiguring the networking address manually. And you never have to configure or manually assign the wireless network name (ESSID). |
| Ad hoc networking | This PC Card enables networking in peer-to-peer sessions at the click of a button. In this mode, two or more PC Cards can be networked together without requiring an access point. You can quickly and easily establish temporary networks at conference centers, in hotel rooms, or on job sites. |
| Security | |
| Encryption—40-bit WEP | Wireless clients have the option to use 40-bit WEP encryption, which interoperates with other Wi-Fi certified products. |
| Dynamic Security Link [†] | Using 128-bit session key encryption [†] (where allowed by law), a unique security key is automatically negotiated between the access point and wireless PC Cards for each session. You get virtually unbreakable security without ever entering a key manually. |
| Compatibility | |
| Wi-Fi certified | Wi-Fi certification ensures interoperability with Wi-Fi certified products from other vendors—which means compatibility with the widest range of wireless networking products available today and in future years. |

Specifications

Software Drivers

For a current list of software drivers, please visit <http://support.3com.com/>.

Minimum System Requirements

- Notebook PC with an available type II 16-bit PC Card slot and one of these operating systems:
 - Windows 95B or higher
 - Windows 98 or higher
 - Windows Me (Millennium Edition)
 - Windows NT 4.0 or higher
 - Windows 2000
- 9.5 MB available hard disk space (11.5 MB for installation under Windows NT)
- 64 MB RAM recommended

Standards Conformance

- Wi-Fi certification
- IEEE 802.11b

Safety and Electromagnetic Conformance

Safety

EN60950/A11, IEC 950, CSA22.2#950, UL 1950, FCC 96-326, August 1, 1996—“Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation”

Radio

FCC CFR 47 Part 15.247 (249) and 15.209, RSS-139, ETS 300 328 and ETS 300 826, RCR STD-33

Environmental

EN6068

Electromagnetic Compatibility

ICES-003, FCC Part 15 Class B, ETS 300 826, CISPR 22/EN55022 Class B

Power Consumption

Sleep: 32 mA typical

Receive: 310 mA typical

Transmit: 340 mA typical

Physical Dimensions

Standard Type II PCMCIA card

- 86 mm long—antenna retracted
- 104 mm long—antenna extended
- 54 mm wide
- 5 mm thick

Environmental Operating Ranges

Temperature: 0° to 55°C

Humidity: 10% to 90% noncondensing

Altitude: Up to 3000 m (9800 ft)

Warranty

- One year limited warranty
- One year unlimited software upgrades and phone support

Ordering Information

3Com 11 Mbps Wireless
LAN PC Card

3CRWE62092A

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

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