3com

3Com® 11 Mbps Wireless LAN PCI Adapter

Key Benefits

Secure, reliable desktop connections without laying cables

Features and Benefits

Flexible
Allows fast, easy deployment and relocation of desktop systems in temporary offices or hard-to-wire areas without being limited by wired network infrastructure. Connects to compatible WLAN access points— or directly to other Wi-Fi certified client devices.

Secure
Supports 40-bit and 128-bit WEP encryption and 802.1x for increased security options with RADIUS authentication.*

Reliable
This wireless PCI card delivers reliable, wired-like LAN connections with speeds up to 11 Mbps and distances up to 100 meters (328 feet) indoors.†

Dynamic rate shifting keeps connections reliable—even in noisy environments.

Compatible
Supports a broad range of Windows operating systems. Wi-Fi certification ensures interoperability with Wi-Fi certified PC Cards, PCI cards, USB adapters, access points and bridges— from 3Com and other vendors.

Upgradable
Firmware upgradability lets you easily add new wireless and security features as they become available, preserving your PCI card investment.

Feature	Benefit
Security	
Encryption	Uses 40-bit and 128-bit WEP encryption, helping ensure all wireless transmissions remain private.
802.1x support	Provides RADIUS server authentication when used with Windows XP and an 802.1x-compatible access point.
Performance	
Wired-like network performance	Delivers up to 11 Mbps throughput at distances up to 100 meters (328 feet) indoors.
Dynamic rate shifting	Automatically adjusts between 11, 5.5, 2, and 1 Mbps for optimal connections as environmental conditions change.
External antenna	External antenna can help provide clear, interference-free reception.
Simplicity	
Wireless LAN Configuration Utility	Simplifies set up of user profiles.
Ad hoc networking	Connects multiple wireless clients without using access points.

* 802.1x capabilities require Windows XP and an 802.1x-compatible wireless access point.
† 100 m (328 ft) range depends on physical conditions and other electrical devices in the area.

Features and Benefits

Feature	Benefit
Simplicity	
Broad hardware and operating system compatibility	Supports PCI 2.2 standard and Windows XP, Me, 2000, 98 SE, 98, 95 OSR2, and Windows NT 4.0 operating systems; Wi-Fi certification ensures multivendor interoperability.
Designed for upgradability	Firmware upgradability lets you easily add new wireless and security features as they become available, preserving your PCI card investment.

Specifications

Standards Conformance
IEEE 802.11b, 802.1x
Wi-Fi certified
PCI 2.2
ACPI 1.0
PCI Bus Power Management Interface Specification 1.0

Data Rates
11 5.5, 2, and 1 Mbps; supports dynamic rate shifting

Management
Wireless LAN Configuration Utility

Bus Type
PCI

Security
40- and 128-bit WEP encryption
802.1x authentication

Operating Systems
Windows XP, Me, 2000, 98 SE, 98, 95 OSR2, and Windows NT 4.0 (Service Pack 6 or above)

Safety and Electromagnetic Conformance
Safety: EN 60950
EMC: FCC Part 15 Subpart B Class B, ICES-003, EN 301 489-17

Radio: FCC Part 15.247, RSS-210, EN 300 328-2

RF Exposure: FCC OET Bulletin 65 Supplement C, RSS-210, prEN 50371

European CE Conformance: EC Council R&TTE Directive 1999/5/EC

Physical Dimensions
64.41 mm x 119.91 mm x 1.65 mm
(2.54 in x 4.72 in x 0.06 in)

Environmental Operating Ranges
Ambient temperature: 0° to 55°C (operating), -20° to 65°C (storing)
Max. humidity: 95% noncondensing

Transmit Power
+18 dBm @ nominal temporary (typical)

Operating Voltage
3.3 V and 5 V ± 5%
Current consumption
450 mA (typical) @ 3.3 V;
300 mA @ 5 V (typical)

Frequency Range
2.400-2.4835 GHz, Direct Sequence Spread Spectrum (DSSS)

Number of Channels
Europe: 13 (1-13)
France: 4 (10-13)
U.S: 11 (1-11)

Antenna Type
Detachable dipole antenna with SMA (male) connector

Connector Type
Reverse SMA (female) connector

LED Indicator
Power LED (Green)

Mobility
Seamless roaming across cell boundaries with handover

Warranty
Three-Year Limited warranty

Customer Support
Quick access to support information is available on 3Com's website at www.3com.com.

Ordering Information

Product Name	Region	Order Number
3Com 11 Mbps Wireless LAN PCI Adapter	Worldwide	3CRDW696
3Com 11 Mbps Wireless LAN PCI Adapter	Asia/Pacific Rim	3CRDW696-AP
3Com 11 Mbps Wireless LAN PCI Adapter	China	3CRDW696-CH

Please note: This product contains encryption and may require U.S. and/or local government authorization prior to export or import to another country.

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