

802.11b WLAN CF Card

Data Hunter CF Compact Flash WLAN Cards bring **cost-effective** 802.11b Wireless LAN to PDAs, **Peer Points**, Laptops, and battery-powered mobile **Liberator** Bar Code and 2D Scanners.



- Interoperable with all Standard 802.11b WLAN devices.
- Data Rates to 11 Mbytes/sec.
- Spread Spectrum 2.4 GHz DSSS world wide operation
- Site Survey Utility - Allows users to Sniff and browse the available active device including Access Points and Peer Points
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Features and Benefits

Features	Benefits
11Mbps data transfer rate	High-speed data transmission
Automatic data rate scaling at 11, 5.5, 2 and 1 Mbps	Optimized throughput, range and connectivity
IEEE 802.11b compliant	Fully interoperable with IEEE802.11b compliant products
Wired Equivalent Privacy (WEP) encryption and decryption support	Powerful data security at 64 and 128 bits
Compact Flash Type-I Standard	Supports a variety of popular computing devices such as PDA, Tablet PC, Handheld device, Laptop, Peer Points
Site Survey Utility	Allows users to browser the available active access points to which users can connect
Supports both Pocket PC and Windows CE operating systems	Flexible to work with both your PDA and your notebook PC
Wide coverage range up to 300 meters (900 feet) in open space	Wireless connectivity for computers, Access Points and Peer Points
Advanced Power Management	Very low power consumption delivers extended battery life.
Plug and Play Compact Flash Type-I interface	Easy installation
Significantly improved indoor multipath distortion	Higher link quality in indoor environment
Seamless roaming	Full mobility
Direct Sequence Spread Spectrum	Provides robust, interference-resistant, (DSSS) Technology and secure wireless connection

Easy Installation

All Data Hunter devices are designed for easy self-installation. The WLAN I.P. addresses and security settings are configurable from the PC on-screen Set-Up Utility.

Site Survey Sniffing

Site Survey Sniffing utility allows users to browser the available active access points to which users can connect. Likewise, real time RF WLAN signal strength and other test options can be accessed from the Utility for easy set up, Link-in and diagnostics.

Specifications

General

Radio Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Range (open environment)	11 Mbps – 150m (490 feet) (line-of-sight) 5.5 Mbps – 200m (650 feet) (line-of-sight) 2 Mbps – 300m (580 feet) (line-of-sight) 1 Mbps – 400m (1300 feet) (line-of-sight)
Operating Voltage	3.3VDC
Regulation Certifications	FCC Part 15/UL, ETSI 300/328/CE
Compatibility	Fully interoperable with IEEE802.11b compliant products
LED Indicator	RF Link activity

Network Information

Network Architecture	Support ad-hoc, peer-to-peer networks and infrastructure communications to wired Ethernet networks via Access Point
Driver Software Support	Windows CE 3.0, CE.NET/PocketPC 2002
Access Protocol	CSMA/CA
Roaming	IEEE802.11b compliant
Security	64/128-bit WEP data encryption

Radio

Frequency Range	U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Modulation	CCK (11, 5.5Mbps) DQPSK (2Mbps) DBPSK (1Mbps)
Operation Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
RF Output Power	13+-1dBm
Antenna	Integrated, with built-in diversity
Sensitivity @BER=0.08	11 Mbps <-85dbm ; 5.5 Mbps <-87dbm 2 Mbps <-89dbm ; 1 Mbps <-91dbm

Environmental

Temperature Range	-10 C to 50 C (14 F to 122 F)-operating -30 C to 80 C (-22 F to 176 F)-storage
Humidity	95% maximum non condensing

Physical Specifications

Form Factor	Fits Compact Flash Type-1 Slots
Dimensions	55.4(L) mm x 42.8(W) mm x 3.3(H) mm 2.18(L) in x 1.69(W) in x 0.13(H) in
Weight	45.36 g/ 1.6oz

Order Number: CF-80211b

[Includes CF 802.11b WLAN Card, Control and Setup Software, User Manual]



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Preliminary

Specifications subject to change without notice.