



DCF-650W

Wireless Compact Flash adapter for handheld PDA:s.

## DCF-650W connects your PDA to an IEEE 802.11b WLAN

The D-Link DCF-650W is a wireless compact flash type II card that is IEEE 802.11b compliant. The DCF-650W provides a solution to connect PDAs (Personal Digital Assistants) such as the Compaq iPAQ and Casio 125 to an existing IEEE 802.11b wireless network. The DCF-650W operates in the 2.4GHz frequency range and utilizes Direct Sequence Spread Spectrum (DSSS). The DCF-650W is targeted at users with PDAs, that want the convenience offered by connecting to an existing wireless local area network without wires. The DCF-650W will operate in either Ad-Hoc mode (networking without an Access Point) or in Infrastruc-

ture mode (networking using an Access Point). The DCF-650W will transmit data at 11, 5.5, 2, 1 Mbps. Also, the DCF-650W provides an "Auto Fall-Back" feature to automatically adjust the speed of the adapter depending on the distance from the Access Point. The DCF-650W requires a compact flash type II interface (available in most current PDAs). To ensure long battery life, the DCF-650W has minimal power consumption of 17mA in sleep mode and less than 380mA in transmission mode. The DCF-650W is compatible with Windows CE version 3.0.

### Key Features

- High speed for wireless LAN connection: 11Mbps data rate by incorporating Direct Sequence Spread Spectrum (DSSS).
- Provide seamless roaming within the IEEE 802.11b WLAN infrastructure.
- IEEE 802.11b compatible: allowing inter-operation among multiple vendors.
- Low power consumption
- Powerful 64 and 128-bit WEP encryption
- Compact Flash type II
- Windows CE 3.0 support
- Built-in antenna

# DCF-650W

## Technical Specifications

### Standards

IEEE 802.11b

### Host interface

Compact Flash V1.4, CF+ I/O interface, type II

### Protocols

TCP / IP

### Data Security

64/128-bit WEP (Wired Equivalent Privacy) Encryption

### Data Rate & Modulation

11Mbps: CCK  
5.5Mbps: CCK  
2Mbps: DQPSK  
1Mbps: DBSK  
Auto Fall-Back

### Approx. Range Coverage (Open Environment)

460 feet @ 11Mbps  
656 feet @ 5.5Mbps  
885 feet @ 2Mbps  
1311 feet @ 1Mbps

### Supported OS

Windows CE version 3.0

### Diagnostic LED

Power  
Link

### Power Consumption

TX current consumption: <380mA  
RX current consumption: <280mA  
Sleep Mode current consumption: 17mA

### Output Power

14 dBm (Max. 18dBm)

### Voltage

3.3 VDC+-10%

### Network Architecture Types

Supports Ad-Hoc and Infrastructure  
Roaming (standard IEEE 802.11 compliant)

### Operating Channels

13 Europe (except France and Spain)

### Antenna

PIFA (Patched Inverse "F" Antenna) Type Antenna

### Sensitivity @ PER<0.08

11Mbps < -80dBm  
5.5Mbps < -83dBm  
2 Mbps < -86dBm  
1 Mbps < -88dBm

### Frequency Range

2.412-2.472 GHz, Direct Sequence Spread Spectrum (DSSS)

## Wireless Compact Flash



### Temperature

Operating Temperature 0° ~ 55° C  
Storage Temperature -20° C ~ 80° C

### Humidity

5~90% Non-condensing

### Physical Dimensions

L = 82,55 mm  
W = 58,674 mm  
H = 11,176 mm  
Weight 34 gram

### Compatibility

Pocket PC  
- Compaq iPAQ (CPU: Strong ARM)  
- Casio E115 and E125 (MIPS R4000)  
Handheld PC  
- Sharp Telios (MIPS R3000)  
- HP Jornada 720 (Strong ARM)  
- Intel Pentium/X86 CPU

### Warranty

Five Years Limited Warranty

### Box Includes:

- One DCF-650W Compact Flash adapter
- Quick Install Guide
- Manual
- Drivers

## Ordering Information

### Wireless Compact Flash adapter

**DCF-650W** Wireless Compact Flash type II wireless adapter for Pocket PC.

# D-Link®

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