



DCF-660W

- Fully 802.11b Compatible
- Up to 11Mbps<sup>1</sup>
- For Type I and Type II Compact Flash Slot
- Low Power Consumption

## **Air** Wireless Network 2.4GHz Wireless Compact Flash Adapter



The DCF-660W is a wireless Compact Flash card that is IEEE 802.11b compliant. The DCF-660W provides a solution to connect PDAs (Personal Digital Assistants) to an existing IEEE 802.11b wireless network. The DCF-660W operates in the 2.4GHz frequency range and utilizes Direct Sequence Spread Spectrum (DSSS). The DCF-660W is for users of PDAs who want the convenience of roaming and connecting to an existing wireless network without being tethered to wires.

The DCF-660W will operate in either Ad-Hoc mode (networking without an access point) or in Infrastructure mode (networking using an access point). The DCF-660W can reach a maximum signal rate of up to

11Mbps<sup>1</sup>. Also, the DCF-660W provides an "Auto Fall-Back" feature to automatically adjust the speed of the adapter depending on the distance from the access point. In an open environment, the DCF-660W with its built-in antenna has an extensive operating range for added mobility.

The DCF-660W requires a Compact Flash type I or type II interface (available in most PDAs). To ensure a long battery life, the DCF-660W has minimal power consumption of 80mA in Power Save mode and less than 350mA in transmission mode. The DCF-660W is compatible with Windows CE version 3.0 and works with Windows PC 2002.

# Air Wireless Network

## 2.4GHz Wireless

# Compact Flash Adapter

DCF-660W



### SPECIFICATIONS

#### Signal Rates<sup>1</sup>

With Automatic Fallback

- 11Mbps
- 5.5Mbps
- 2Mbps
- 1Mbps

#### Data Security

- 64, 128 WEP (Wired Equivalent Privacy) Encryption

#### Frequency Range

2.4GHz to 2.462GHz

#### Operating Range<sup>2</sup>

Up to 1311 Feet (397 meters)

#### Modulation Technology

- Direct Sequence Spread Spectrum (DSSS)
- 11-chip Barker sequence

#### Modulation Techniques

- CCK (11Mbps and 5.5Mbps)
- DQPSK (2Mbps)
- DBPSK (1Mbps)

#### Media Access Control

CSMA/CA with ACK

#### Bus Type

- Type I and Type II PC Card
- 16-bit I/O

#### Diagnostic LEDs

- Power/11b WLAN Activity (Green)

#### Standards

- IEEE 802.11
- IEEE 802.11b

#### Operating Channels

North America (FCC) Eleven

#### Internal Antenna Type

Diversity

#### Nominal Antenna Port Impedance

50 Ohms

#### Transmitter Output Power

15dBm  $\pm$  2dB

#### Power Management

Automatic to Reduce Battery Usage

#### Power Consumption

- Transmission = < 350mA
- Reception = < 250mA
- Power Save mode = 80mA

#### Temperature

- 32°F to 131°F ( 0°C to 55°C)
- Storing: -20°C to 80°C (-77°F to 140°F)

#### Humidity

5%-90% RH non-condensing

#### Barometric Pressure

740hPa to 1050hPa

#### Physical Dimensions

- L = 4.45 inches / 113mm
- W = 2.13 inches / 54mm
- H = 0.21 inch / 5mm

#### Weight

0.12 lb / 20grams

#### Certifications

- FCC part 15b
- UL1950-3

#### Warranty

1 Year (details inside product package)

### Product Information

Part No: DCF-660W

Description: 2.4GHz Wireless Compact Flash Adapter

UPC: 790069-240652

<sup>1</sup> Maximum wireless signal rate based on IEEE Standard 802.11b specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

<sup>2</sup> Environmental conditions may adversely affect wireless signal range.

Compatibility has been tested on the following:

Manufacturer	Product Line	Model No.	CPU
Casio	Cassiopia	E-115	-----
Casio	Cassiopia	E-125	VR4122
Casio	Cassiopia	E-800	VR4122
Casio	Cassiopia	BE-300	VR4131
Casio	Cassiopia	BE-500	VR4131
Casio	Cassiopia	E-200	SA1110
HP	Jornada	720	SA1110
HP	Jornada	548	SH-3
HP	Jornada	525	SH-3
Compaq	iPAQ	H3630	StrongARM
Compaq	iPAQ	H3660	StrongARM
Sharp	Telios	HC-VJ2C	MIPS



The DCF-660W is compatible with other 802.11b wireless devices.



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