



DCF-650BT

Bluetooth CompactFlash Adapter for PDA

## Bluetooth 1.1 CompactFlash Adapter for PDA

*The DCF-650BT Bluetooth CompactFlash Adapter is an ultimate mobile solution for your PDA. This upgrade card plugs to your PDA to give you Bluetooth wireless connection to all Bluetooth supported devices. You can now conveniently share and exchange data wirelessly from your PDA with other devices in your Personal Area Network at home and the office.*

### Exciting Upgrade for PDA

Low-power and low-cost, this card simply plugs to your PDA to deliver wireless Personal Area Network connection for your hand-held device. Very compact and lightweight, this card lets you easily talk and send data/images wirelessly from your PDAs to mobile phones, printers, desktop and laptop computers, and other emerging electronic devices.

### Bluetooth 1.1 Standard

Adhering to Bluetooth 1.1 standard, the card supports wireless data transfers of up to 723kbps at ranges up to 20 meters or 66 feet\*. This capability allows you to establish an automatic wireless connection at a decent speed within a convenient range between your PDA and your computer, mobile phone and other devices.

### Wireless Connection

As a new technology for wireless connectivity, the card lets you connect to a wide variety of devices without long cables trailing all over the place. Using a radio-based link with integrated antenna, the card connects different devices together at speed of up to 723kbps, giving you more freedom to roam.

### Data Encryption Security

Security is an issue when data is transmitted without the wires. In the air, transmitted data can be easily intercepted if not well protected by a security scheme. The card provides the necessary security, using the enhanced 128-bit data encryption on any Bluetooth communication.

### Key Features

- Connects PDA with Bluetooth-enabled devices
- Seamless Wireless Personal Area Network (PAN) connectivity
- Bluetooth 1.1 compliant
- Plugs to PDA CompactFlash CF Type I slot
- Up to 723kbps transfer rate
- High-powered integrated antenna with wireless range of up to 20 meters/66 feet\*
- Allows connection to 1 or more Bluetooth-enabled devices simultaneously
- Supports popular O.S. including Windows 98 SE, ME, 2000, XP and CE 3.0 (Pocket 2000/2002) for installation (through a Windows-based PC)

\* Environmental Factors may adversely affect range.

# DCF-650BT

## Technical Specifications

## Bluetooth Compact Flash Adapter

### General Functions

Supports up to 7 slave devices

### Standards

- Bluetooth 1.1
- CompactFlash CF Type I

### Transfer Rates

- 723 kbps Asymmetrical max.
- 433.9 kbps Symmetrical max.

### Data Encryption

128-bit

### Antenna

Printed type

### Receiver Sensitivity

Less than 0.1% BER at -80 dBm

### RF Technology

Frequency Hopping Spread Spectrum (FHSS)

### Modulation Method

Gaussian Frequency Shift Keying (GFSK)

### RF-Wireless Frequency

2.4 to 2.480 GHz (unlicensed ISM band)

### RF Output Power

Bluetooth Class 2 (25mW/4dBm)

### Operation Range

Up to 20 meters (66 feet) peer-to-peer \*

\* Environmental factors may adversely affect range

## Physical & Environmental

### Operating Voltage

3.3VDC +/- 10%

### Power Consumption

- Maximum 85mA in active mode
- Maximum 30mA in stand-by mode

### Dimensions

52 (L) x 43 (W) x 3.3 (H) mm

### Operating Temperature

0° - 70°C

### Storage Temperature

-10° - 80°C

### Humidity

5% - 90% non-condensing

### Emission Certification

- FCC Class B
- CE Class B

## O.S. Support

- PC: Windows 98SE, 2000, ME, XP
- PDA: Windows CE 3.0 (Pocket 2000/2002)

## System Requirements

- For PDA:
  - 1 Type I Compact Flash Slot
  - Windows CE 3.0 (Pocket 2000/2002)
  - 1 connector for PC
- For desktop/laptop PC:
  - Windows 98SE, Me, 2000, XP
  - Microsoft ActiveSync 3.0 or above
  - CD-ROM drive



ACN 052 202 838

## Ordering Information

DCF-650BT

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