



# Wireless Networker™

## CompactFlash™ Card for Pocket PC PDAs



### FEATURES

#### 11 Mbps direct sequence (DS) high data rate transmission

Supports bandwidth-demanding applications and high-speed data transmission

#### Supports both Pocket PC and Windows PC operating systems

Flexible to work with both your PDA and your notebook PC

#### Wi-Fi certified (IEEE 802.11b compliant)

Interoperable wireless networking based on the high rate standard

#### CompactFlash form factor Type I/II

Supports a variety of popular computing devices, from handhelds to laptops

#### Automatic data rate and channel selection of 11, 5.5, 2, and 1 Mbps

Optimized throughput and range for continuous connectivity

### Wi-Fi Wireless LAN connectivity in CompactFlash format for Pocket PC PDAs

The Wireless Networker™ from Motorola brings the power of high-speed Wi-Fi™ wireless connectivity to today's popular personal data appliances. It supports PDAs running Microsoft® Windows® for Pocket PC, fitting devices with CompactFlash™ Type I/II extended card slots including the Compaq iPAQ, HP Jornada, and Casio Cassiopeia. It also supports notebook computers running Windows 95, 98, ME, or 2000 with a Type II PC Card (PCMCIA) slot via a CF-to-PC Card adapter.

With the Wireless Networker, applications and communications are mobilized at Ethernet-speed, providing cable-free access to corporate and public networks and business-critical email, the Internet, intranets, CRM, sales force automation, and other applications.

### Power management, performance, and security features for mobility

The Wireless Networker's high-performance features provide secure mobility:

- Advanced Power Management and Suspend on WLAN ensure low power consumption

and prevent against accidental battery drain, extending the life of the PDA battery

- Wi-Fi certification provides multi-vendor compatibility with Wi-Fi certified 802.11b wireless LANs, providing wireless access at 802.11b office, home, and public WLAN spaces (optimum performance is realized in a Motorola Spectrum24 High Rate 11 Mbps wireless LAN environment)
- Data rate up to 11 Mbps supports bandwidth-demanding applications
- Automatic rate scaling at 11, 5.5, 2 and 1 Mbps for maximum range and optimum data throughput
- 40 and 128-bit WEP encryption and decryption provide secure communications
- User-friendly tools make installation and management easy
- A range of 300 ft./91 m ensures extended wireless mobility as you travel through the office or other networked space

## SPECIFICATION SHEET

WIRELESS NETWORKER™  
CompactFlash™ Card for Pocket PC PDAs

### Wireless software upgrade

Simplified update and maintenance

### Wired Equivalent Privacy (WEP) encryption and decryption support

Powerful data security at 40 and 128 bits

### User-friendly client tools

Simplified administration and maintenance

### Advanced Power Management and Suspend on WLAN

Very low power consumption delivers extended battery life for client devices

### Network your world with Wireless Networker

The Wireless Networker enables mobile workers in healthcare, education, retail, manufacturing, and hospitality industries; associates at corporate and regional offices; Pocket PC enthusiasts with a home wireless LAN solution — anyone with access to 802.11b Wi-Fi certified connectivity — to enjoy increased productivity and improved communications with the power of high-performance wireless mobility. And it's part of Motorola's award-winning Spectrum24 High Rate family of wireless connectivity and mobile appliance and management solutions.

### Mobilize your enterprise wirelessly — just add Motorola. And go.

Motorola's global wireless industry leadership is founded on a comprehensive range of innovative technologies and knowledgeable services. Motorola brings you a unique combination of benefits that enables your organization's end-to-end mobile computing strategy and optimizes the capture, computing and communication of data crucial to business decision-making and success. All you have to do is Add Motorola. And Go. For the most current information on the Wireless Networker, visit [motorola.com/la4137](http://motorola.com/la4137)

# Spectrum24® High Rate Wireless Networker™ CompactFlash™ Card Specifications

## User Profiles

Vertical Industries: Healthcare, education, retail, manufacturing, hospitality and many other industries with 802.11b wireless LAN access

Corporate Pocket PC PDA users: With a Wi-Fi wireless LAN at the office, or a subscription to a public wireless LAN

Pocket PC users: With an 802.11b wireless network solution at home

## Compatibility

Client devices:

- Pocket PC 2000 devices:
  - Casio Cassiopeia E-125 Pocket PC
  - Compaq iPAQ H 3100 and 3600 Series Pocket PC (requires CF Jacket accessory or PC Card Jacket accessory and a CF-to-PC Card adapter)
  - HP Jornada 520 and 540 Series Pocket PCs
- Pocket PC 2002 devices
- Handheld PC 2000 devices
- Notebook PC with Windows 95/98/ME/2000 and a Type II PC Card (PCMCIA) slot (requires a CF-to-PC Card adapter)
- Handera 330 - driver available from [www.handera.com](http://www.handera.com)

## Radio Characteristics

Frequency Range: U.S., Europe, Japan product covering 2.4 to 2.5 GHz, programmable for different country regulations

Data Rate: 11 Mbps per channel maximum with Dynamic Rate Scaling to 5.5, 2 and 1 Mbps

Output Power: 100 mW, programmable for different country regulations

Power Management: Continuously Aware and Power Saving Modes

Range: Data throughput scaled to support up to 300 ft./91 m indoor/outdoor

TX Maximum Radiated EIRP: FCC regulations part 15.247 in U.S.; ETS 300 328 in Europe; RCR STD-33 in Japan

Modulation: Direct Sequence Spread Spectrum (DSSS) with BPSK (1 Mbps), QPSK (2 Mbps), and CCK (5.5 and 11 Mbps)

TX Out-of-Band Emissions: FCC regulations part 15.247, 15.205, 15.209 in U.S.; ETS 300 328 in Europe; RCR STD-33 in Japan

Operating Temperature: -4° to 158° F/-20° to 70° C

Storage Temperature: -22° to 176° F/-30° to 80° C

## Network Characteristics

Driver Software Supported: Pocket PC (CE 3.0 9348), HPC 2000, Pocket PC 2002, Windows 95/98/ME/2000. Visit [motorola.com/la4137](http://motorola.com/la4137) for most current information

Access Protocol: CSMA/CA

Roaming: Virtually instantaneous



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[motorola.com](http://motorola.com)

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