

Merlin V620™

Wireless PC Card Modem



High Speed Data

Capable of operating on an EVDO network at data speeds up to 2.4Mbps allowing you the versatility and to increase your productivity in order to stay competitive.

Advanced Built-in Antenna

The embedded antenna is rugged and durable and it's advanced dual band diversity design enhances performance by maximizing data throughput.

Intuitive User Interface

Simple to install and easy to navigate through the card's vast feature suite.

External Antenna Jack

An external antenna can be added to further enhance data throughput and maximize network connectivity in fringe areas.



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Technical Specifications

Technology/Bands

- CDMA 1xEV-DO, 1xRTT, IS95
- CDMA 800MHz
- CDMA 1900MHz

Dimensions (H x W x D in mm)

- 122 x 54 x 5 (15mm extended portion only)

Weight

- 59g / 2.0oz

Form Factor

- PCMCIA Type II Card

Antenna

- Built-in (integrated)
- Receive Diversity (both bands)

Visual Indicator (LED)

- Service State

Power consumption

- Voltage 3.3V (nominal)
- Transmit: max 1000ma
- Idle: 150ma

Environmental

- Operating temperature: -20°C to +60°C
- Storage temperature: -40°C to +85°C

Operating Systems Supported

- Windows® 98 SE
- Windows® ME
- Windows® 2000
- Windows® XP

Connectivity Features

- Auto connect
- Always on connectivity
- Auto/user selectable (1xEV-DO/1xRTT)
- QNC
- VPN compatible
- Dial up

MobiLink Connection Manager

- Quick 4 step installation
- Brandable UI
- Multi-lingual support
- Quick Email (via SMS)

Text Messaging (1xRTT only)

- SMS – MO
- SMS – MT
- Message received notification
- Message delete
- Message reply/forward

Accessories

- External antenna

User Interface

- Intuitive, graphical interface
- status indicators (service, signal strength, connection, usage time, messages)

Timers/Counters

- Connection time
- Data byte counter

Applications

- Internet, Intranet
- Email
- Connection logging
- UPST/retail support

Security

- CDMA authentication & identification
- Dynamic MIP key update
- PAP/CHAP

Standards/Specifications

- IS 2000
- IS 637 (SMS)
- IS 683C (OTASP/OTAPA)
- IS707A (data), IS 856 (EV-DO) Rev 0
- IS878, IS 890, IS866, IS 898
- TIA 919
- PCMCIA V 8.0

Approvals/Certifications

- FCC parts 2, 15, 22 & 24
- Microsoft WHQL
- CDMA Developers Group (stages 1,2,3)

System (laptop) Requirements

- Card Slot: Type II Card (32 bit bus)
- Pentium processor: 166MHz
- Disk Drive: CD ROM
- Memory: 32MB
- Disk Space: 14MB
- Internet browser software

Standard Package Contents

- Merlin V620 Wireless PC Card Modem
- Modem Manager CD
- Quick Start Guide



ISO 9001:2000 Certified