Merlin™
PC720

3.1 Mbps 3G EV-DO Rev. A Wireless PC Card

High Speed Data
Capable of operating on dual band CDMA EV-DO Rev. A networks at data speeds up to 3.1 Mbps allowing you to increase your productivity in order to stay competitive*.

A-GPS Capability
Allows you to retrieve location data from GPS satellites and utilize GPS navigation and location-based applications.

Advanced Flip-up Antenna
The advanced dual band diversity antenna system design incorporates an external flip antenna, maximizing data speed performance and allowing for stronger network signal reception.

Intuitive User Interface
The MobiLink™ Connection Manager is simple to install and eases navigation 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*.

NOVATEL WIRELESS

Leading Provider of 3G Wireless Broadband Access Solutions for the Global Marketplace

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Technical Specifications

3.1 Mbps 3G EV-DO Rev. A Wireless PC Card

Technology/Bands
• CDMA 1xEV-DO Rev. A
• CDMA 1xRTT
• CDMA 800/1900 MHz
• Assisted-GPS (A-GPS)

Dimensions
• 122.6 mm x 54 mm x 5 mm
  (4.76" x 2.13" x 0.2")

Weight
• 49 g / 1.7 oz

Form Factor
• PCMCIA Type II Card
• 32-bit CardBus

Antenna System
• Flip-up
• Receive diversity at 800/1900 MHz on
  internal antenna

Visual Indicator
• 2 Color Service State LED

Power Consumption
• Voltage 3.3 v (nominal)
• Transmit: max 1000 mA
• Idle: max 150 mA

Environmental
• Operating temperature: 0ºC to 60ºC
  (-4ºF to 140ºF)
• Storage temperature: -20ºC to 65ºC
  (-4ºF to 149ºF)

Data Speeds
• 1.8 Mbps Upload*
• 3.1 Mbps Download*

Text Messaging (1xRTT only)
• SMS-MO
• SMS-MT
• Message received notification
• Message delete
• Message reply/forward

Timers/Counters
• Connection time
• Data byte counter

Applications
• Internet, Intranet
• Email
• Connection logging
• UPST/retail support
• SDK Package

Security
• CDMA authentication & identification
• Dynamic MIP key update
• PAP/CHAP

Standards
• IS-866 (CDMA 1xEV-DO Rev. A)
• IS-866 (CDMA 1xEV-DO Rev. 0)
• IS-856-A (CDMA 1xEV-DO Rev. A)
• IS-856 (CDMA 1xEV-DO Rev. 0)
• IS-2000 (CDMA 1xRTT)
• IS-707-A Data
• IS-637-A SMS
• IS-683-A Service Provisioning

Certifications
• R&TTE directive 1999 / 5 / EC
  (health, safety, EMC, spectrum)
• PCMCIA V8.0
• FCC Type Acceptance
• CDG Stage 1, 2, 3
• Microsoft WHQL
• NDIS driver support

System Requirements
• Card Slot: PCMCIA Type II
• Processor: 166 MHz
• Disk Drive: CD ROM
• Hard Disk Space: 14 MB
• RAM: 32 MB
• Internet browser software

Operating Systems Supported
• Windows® 2000, XP, Vista

Standard Package Contents
• Merlin PC720 Wireless PC Card
• MobiLink Connection Manager CD
• Quick Start Guide

*Network and Operator dependent.

NOVATEL WIRELESS
ISO 9001:2000 Certified
14915027 Rev.2 05.07