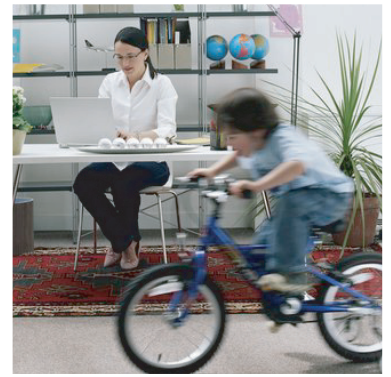# Merlin U730™

HSDPA Wireless Broadband PC Card Modem

Broadband Data Speeds on the Move

3G HSDPA technology provides broadband data speeds up to 1.8 Mbps* (greater than many wired broadband data services). Full broadband speeds increase your productivity and maintain contact with clients, colleagues and family.

Anytime…Anywhere

Four wireless technologies in one PC Card, allows you to work, play, be connected anytime, anywhere worldwide*.

Performance When It Counts…

Quad band built-in antenna system is rugged and durable – no parts to break. High efficiency broadband design provides consistent improved throughput performance.

Rural Area Support

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

Technology Revolution

Broadband data speeds, enhanced applications, full mobility for the fast paced world we live in.

*Network/Operator dependent.

NOVATEL WIRELESS.

Merlin
U730™

Technical Specifications

HSDPA Wireless Broadband PC Card Modem

Technology/Bands
- HSDPA/UMTS 850/1900 MHz
- EDGE/GPRS 850/900/1800/1900 MHz

Dimensions (H x W x D in mm)
- 120.6 x 54 x 5.0

Weight
- 45 grams

Form Factor
- Type II 32-bit CardBus
- SIM* card slot (card size: 25 x 15mm)

Antenna
- Built-in 4 bands (integrated)
- High efficiency broadband

Visual Indicator (LED)
- Tri-color
- Service/technology modes
- Error conditions

Power consumption
- Voltage 3.3v (nominal)
- Standby current: 180ma typical

Environmental
- Operating temperature: 0ºC to 55ºC
- Storage temperature: -20ºC to 65ºC
- EMI Shielding

Connectivity Manager
- Turn key solution
- Fully customizable / multi-lingual

Network Related
- Auto web upgrade support
- OTA SIM Provisioning
- VPN compatible
- HSDPA Category 12 (QPSK)
- SIM Lock
- URA_PCH, Cell_PCH support

Data Speeds
- Category 12 QPSK (1.8Mbps)
- Supports 384Kbps UL & 1.8Mbps DL

Text Messaging[†]
- 2 way SMS

Optional Accessories
- External antenna

User Interface
- Intuitive, graphical, iconic

Status Indicators
- Set-up and connection

Timers/Counters[†]
- Data call duration
- Data byte count

Applications
- Internet, Intranet
- Email
- Connection logging
- VPN
- Firmware field upgradeable
- Windows® SDK Tool

Standards/Specifications
- R&TTE directive 1999/5/EC (health, safety, EMC, spectrum)
- PCMCIA V8.0

Approvals/Certifications
- FCC parts 2, 15, 22 & 24
- 3GPP rel. 5
- GSM Phase 2+
- Microsoft WHQL
- CE
- NDIS driver support
- PTCRB/GCF
- Operator IOT

System Requirements
- Card Slot: Type II Card
- Processor: 300MHz or greater
- Hard Disk Space: 40MB
- RAM: 64MB
- Internet browser software

Operating Systems Supported
- Windows® 2000
- Windows® XP

Standard Package Contents
- Merlin U730 Wireless PC card modem
- Modem manager CD (incl. user guide)
- Quick Start Guide
- Storage case

* SIM Card provided by operator upon service subscription; 3.0V card
† Application dependent