Merlin U530™ UMTS PCMCIA card

from Novatel Wireless, brought to you by Lucent Technologies

Features

- Multimode 3G UMTS/GPRS/GSM card for use on mobile wireless networks worldwide

- Provides UMTS High-speed data (up to 384kbps) connectivity to mobile users

- Provides GPRS data (up to 53.6kbps) connectivity to mobile users

- Provides transparent cell reselection between GSM/GPRS and UMTS networks

- Compatible with popular notebook PCs equipped with Type II PC card slot and Microsoft® Windows® 2000/XP operating systems

- Supports IPSec client software for end-to-end secure corporate data exchange and synchronisation over VPN

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Laptop support

- Operating systems supported - Microsoft$^®$ Windows$^®$ 2000/XP

- Installation Wizard software - self-install CD-ROM with MobiLink modem manager

- Embedded antenna - maintains optimal signal strength and connectivity in fringe areas.

- Enables high quality streaming video and audio and rapid downloads of large attachments.

- Compatible with virtually all laptops and virual private network (VPN) connections.

Hardware Specifications	Merlin U530
Card type	Extended Type II PCMCIA compliant 5V card
External Interfaces	Internal antenna, colour status LED
SIM card	Support of USIM/SIM 3GPP compliant 31.101 & 31.102
Operating temperature	0 to +55 °C
Memory	16MB Flash technology

Specifications	UMTS Air Interface	GSM/GPRS air interface
Frequency of operation	Europe 2100 MHz	Europe 900/1800 MHz
UE Power class	4 (+21dBm)	900 MHz class 4 (+33dBm) 1800 MHz class 4 (+30dBm)
Packet switched data	UL/DL: 64/384, 64/128, 64/64 Support for UMTS QoS traffic classes PPP, IP transparent and non-transparent modes 3G → 2G Inter-RAT cell reselection	Multislot Class 10 (4 slots RX, 2 slots TX, sum 5 slots) Supports Coding Scheme 3 Class B GPRS Device 2G → 3G Inter-RAT cell reselection

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