

M E R L I N G 3 0 1™



Wireless PC Card Modem for Windows® Laptops and Pocket PCs

In today's fast paced business environment, mobile professionals need to be connected to be efficient and effective. Wherever you are, you need to have real time access to e-mail and corporate information in order to contribute and make the decisions expected of you. Business will not wait, nor will your competitors.

The Merlin G301 redefines the way the mobile professional stays connected by offering wireless access to the Internet, e-mail and corporate networks. The speed of GPRS, the versatility of a global solution, and the compact size of the Merlin G301 make it the ideal solution for you to stay connected. Just slide the Merlin G301 into the PC Card slot of your laptop or PDA and experience business without boundaries: no wires, no cables, always connected.

The GPRS (General Packet Radio Services) network delivers wireless data. Using the Merlin G301 to access the GPRS network, you can download data at up to 53.6 kbps.* Additional features of the Merlin G301 include support for GSM circuit switched data, SMS text messaging, fax, and voice communication.

The Merlin G301 is a global solution. By operating on all three radio frequency bands, the Merlin G301 provides access to GPRS networks around the world. Roaming agreements between GSM cellular operators allow the Merlin G301 to be used worldwide with one account.

The Merlin G301 was engineered with simplicity in mind. It comes with an easy to use configuration and monitoring utility to get you connected quickly. It works seamlessly with your existing software, just like a regular modem. As a standard Type II PC Card, the Merlin G301 can be stored in the PC Card slot of your laptop or PDA and will conveniently be there when you need to be connected.

Experience the freedom of true mobility! Give yourself the wireless edge to stay ahead of your competition. Contact Novatel Wireless to learn more about the Merlin G301.

* Subject to network conditions.

GSM/GPRS NETWORK:
900/1800/1900 MHz BANDS



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f e a t u r e s & b e n e f i t s

Global

The GSM cellular network upon which GPRS is built has more coverage than any other cellular technology. The Merlin G301 is a tri-band modem allowing access to GPRS networks around the world.

GPRS wireless technology employs extensive authentication and encryption algorithms. The SIM card stores the authentication information making it one of the most secure public wireless systems in the world.

Secure

Fast

On today's GPRS networks the Merlin G301 can achieve download data rates of up to 53.6 kbps, and upload data rates up to 26.8 kbps.

In addition to GPRS data, the Expedite G301 provides standard GSM functionality including voice, fax, SMS, and circuit switched data.

Versatile

s p e c i f i c a t i o n s

Modem Features

- GPRS multi-slot class 10
- Transparent and non-transparent GSM Circuit Switched Data up to 14.4 kbps
- Mobile originated and terminated SMS messages
- Robust removable antenna
- Advanced sleep mode to conserve battery power
- Audio jack for GSM voice communication

Dimensions

- 5 mm x 54 mm x 86 mm

Temperature

- Operating: 0 Celsius to +60 Celsius
- Storage: -30 Celsius to +65 Celsius

Technical Specifications

- Air interface data encryption: A5
- Compression: V.42bis
- TCP/IP header compression
- Standard GSM error correction algorithms
- Extended ETSI AT command interface
- Standard radio frequency bands for EGSM 900, DCS 1800, and PCS 1900
- RF Output Power:
 - EGSM 900-2 W max. (Power Class 4)
 - DCS 1800 and PCS 1900-1 W max. (Power Class 1)
- Merlin is compliant with Type II PC Card standards.

Approvals

- Full Type Approval to GSM Phase 2+ standard
- FCC and Industry Canada
- CE, UL, and GCF

System Requirements

- Windows 98/ME/2000/XP or Pocket PC 3.0, 2002 operating systems
- 32M RAM for Windows 98/ME, 64M RAM for Windows 2000/XP
- 16M hard disk space
- Pentium 90 processor
- CD drive



www.novatelwireless.com