



## GLOBETROTTER COMBO EDGE

EDGE | GPRS | WLAN | PC DATA CARD

GlobeTrotter COMBO EDGE is the ultimate PC Data Card solution delivering broadband wireless capability to laptops and notebooks by combining EDGE, GPRS, and WLAN technologies in a single PC Card package.

On an EDGE network, GlobeTrotter COMBO EDGE enables connection to the Internet at data speeds of up to 236.8kbps. Move into range of a public WiFi hotspot, the corporate Wireless LAN, or your home wireless network and the GlobeTrotter COMBO EDGE provides connection at speeds up to 54Mbps. In areas where EDGE or WiFi services are not available the GlobeTrotter COMBO EDGE still enables reliable and secure data connections over GPRS.

GlobeTrotter COMBO EDGE opens up the true world of mobile wireless broadband and is the ideal companion for the mobile professional enabling the Internet, Email, Video Conferencing, and office applications with real-time secure VPN access to corporate applications whilst on the move.

Connect anytime, anywhere!



## FEATURES

- > Quad-band radio card suitable for use on EGRPS/GPRS/GSM/WLAN networks worldwide
- > EGRPS 236.8 kbps high-speed data performance, GPRS/GSM data speeds to 85.6 kbps (Network dependent)
- > PTCRB (1900/850), GCF (900/1800) and Wi-Fi 802.11g compliant
- > Compatible with most notebooks and PDA's providing a Type II PC-Card slot and utilising Microsoft Windows Operating Systems
- > Supports IPSec client software for end to end secure corporate data exchange and synchronisation over VPN
- > NDIS compatible

## SPECIFICATIONS

- > EDGE/GPRS/GSM Air interface:
  - Quad-band operation GSM850, EGSM 900, DCS 1800, PCS 1900
  - GSM Power Class 4 (2W) for 850/900 bands, GSM Power Class 1 (1W) for 1800/1900 bands
  - EDGE class E2 (+27dBm in 850/900 bands, +26dBm in 1800/1900 bands)
  - GSM/GPRS Rel '97; PCS1900 Rel '98; EGPRS Rel '99 compliant
- > EGPRS/GPRS (PS) feature set:
  - GPRS/EGPRS Multislot Class 10 (4 slots Rx, 2 slots Tx, 5 max active)
  - GPRS/EGPRS Class B Type 1 MT
  - GPRS CS1-CS4; EGPRS MCS1-MCS9
  - Link Adaptation, readily mixing GMSK & 8PSK slot-by-slot
  - Incremental redundancy (IR)
  - Primary and secondary PDP context activation/modification
  - GERAN Feature Package 1
  - Packet flow context functionality: for supporting different QoS under the same PDP context
- > GSM feature set:
  - GSM Circuit Switched data: 14.4 and 9.6 kbps
- > WLAN Air Interface:
  - Operates in the globally available 2.4 GHz unlicensed ISM band.
  - Transmit Power max. 15.4dBm
  - High speed data with Dynamic Rate Scaling optimizing range and output:
    - IEEE 802.11b standard speeds (1, 2, 5.5, 11 Mbps).
    - IEEE 802.11g standard speeds (6, 9, 12, 18, 24, 36, 48, 54 Mbps)
- > WLAN Feature set:
  - Provides connectivity to enterprise and public hotspot Wi-Fi access points and Ad-Hoc peer-to-peer networks
  - Wi-Fi certified for interoperability and security:
    - WEP, WPA, 802.1x security (WLAN)
    - All major EAP authentication schemes including EAP-SIM
  - PCSC compliant SIM interface for EAP-SIM
- > Terminal Equipment interfaces:
  - Operating Systems: Windows 98SE/ME/2000/XP/XP Tablet/XP Pro
  - WHQL certified NDIS drivers
  - IEEE 802.3 compliant NDIS Miniport drivers (IP-based applications)
  - AT interface with standard modem emulation for compatibility with terminal programs/dialers and non-Microsoft operating systems
  - 3GPP TS 27.010 Multiplexer for simultaneous calls and network coverage reports

## HARDWARE SPECIFICATIONS

- > Card Type: Cardbus, Extended Type II PCMCIA compliant, 3.3V
- > External Interfaces: Miniature External Antenna Connection, 1 red status LED
- > SIM card interface: 3.0V interface
- > Memory: 32 Mb Flash Technology for easy upgrade