GlobeTrotter **EXPRESS HSUPA**

- Wireless DSL-like speed: downloads up to 7.2 Mbps, uploads up to 2 Mbps
- Future-proof slim-line ExpressCard design (34 mm width)
- Worldwide connectivity by Multi-standard (HSUPA, HSDPA, UMTS, EDGE and GPRS) and Multi-band support
- Faster and more stable connectivity with two antennas and Advanced Receiver Technology
- Plug 'n Play through Zero-CD™ technology
- Compatibility assured with legacy PC's: optional Compact Cardbus-ExpressCard Converter

About GlobeTrotter **EXPRESS HSUPA** (Models: GE 301 / GE 302)

The GlobeTrotter Express HSUPA gives you the latest technology with Option's proven performance and reliability in the new ExpressCard/34 format. Within its compact form we provide a multi-band, multi-technology receiver offering the best upload and download speeds available today.

The GlobeTrotter Express HSUPA is designed to achieve peak HSDPA download speeds of 7.2 Mbps with HSUPA uploads approaching 2 Mbps. HSPA (HSDPA and HSUPA combined) is an essential technology for today's enlarged media environment. Backward compatibility ensures HSDPA connections at lower data rates of 3.6 Mbps and 1.8 Mbps with upload speeds to 384 Kbps. The wireless data card also has inherent support for UMTS operation at 384 Kbps in conjunction with quad-band EDGE and GPRS.

Option's unique fold-out antenna increases reliability in weak signal areas and is part of our Advanced Receiver Technology (ART) package, bringing the benefit of Receive Diversity and Receive Equalization. Both are essential for getting maximum performance in today's hostile radio environment.

Optionally, the GlobeTrotter Express HSUPA can be supplied with our compact GlobeTrotter Ex Converter ensuring compatibility and peak performance for laptops equipped with a Cardbus interface. The GlobeTrotter Express HSUPA uses Option's Zero-CD™ technology. Applications, manuals and drivers are distributed and installed immediately the GlobeTrotter Express HSUPA is inserted for the first time. There is no need for a CD or bulky printed book, GlobeTrotter Express HSUPA is a truly unique Plug 'n Play solution.

Features

- Worldwide coverage through triple-band HSUPA / HSDPA / UMTS, quad-band EDGE / GSM
- Multimode HSUPA / HSDPA / UMTS / EDGE / GPRS / GSM card
- Advanced Receiver Technology incorporating Receiver Diversity and Equalization
- Zero-CD™ Plug 'n Play technology
- HSUPA upload (up to 2 Mbps), HSDPA and UMTS download (up to 7.2 Mbps)
- Provides EDGE / GPRS / GSM data (up to 247 Kbps) connectivity
- Transparent hand-over between UMTS and GSM / EDGE networks
- Compatible with nearly all popular notebook PC's equipped with ExpressCard/34 card slot and Microsoft Windows™ operating system
- Optional Cardbus-ExpressCard Converter
- Securely access corporate resources with its transparent support for IPSec and VPN technology
- PCSC-driver for EAP-SIM and other 3-party applications in need of a Smart Card Interface
- Supports third party applications that provide Video Telephony (3GPP 3G-324M, H.324, H264 Baseline Video), SIP, SMS, IM, MMS, Internet and e-mail
- Comprehensively tested on infrastructures and networks worldwide
- Future proofing through Flash Memory technology

Designed for Windows® XP
Windows Vista™ Capable

Mac

GlobeTrotter CONNECT

GlobeTrotter CONNECT For Mac OS

Specifications

- HSUPA / HSDPA / UMTS Air Interface:
  - WCDMA 850 / 1900 / 2100 MHz
  - 3GPP FDD compliant, up to 7.2 Mbps Peak Rate
  - UE Power Class 3
  - HSUPA Category 5
  - High Speed packet-switched data:
    - Support for UMTS QoS traffic classes
    - Support for PPP, IP transparent and non-transparent modes
  - Circuit-switched data Single-RAB streaming: 64, 57.6, 28.8 and 14.4 Kbps
  - Dual antenna Receiver Diversity
    - GE 301: EMEA variant supporting diversity on 2100 MHz
    - GE 302: World variant supporting diversity on 850 and 1900 MHz
  - Receiver Equalization
- EDGE / GSM Air Interface:
  - 850 / 900 / 1800 / 1900 MHz
  - EDGE Power Class E2, GSM Power Class 1 at 1800 / 1900 MHz and Power Class 4 at 850 / 900 MHz; coding scheme UL & DL – CS 1-4, MCS 1-9

- Packet-switched data:
  - Multislot (E)GPRS Class 12, (E)GPRS Class B Type 1 MT
  - Streaming, Background and Interactive QoS Classes Supported
  - Circuit-switched data: 14.4, 12.2 and 9.6 Kbps
- Terminal Equipment Interfaces:
  - Drivers: Windows™ 2000 Pro, Personal and XP Pro/Home, Vista and MAC OS X
  - A PCSC compatible driver, compliant with ISO 7816 and 3GPP TS11.11
  - SIM-ME interface as specified in 3GPP GSM TS11.11 and GSM 11.12 and with compliance to ISO 7816
  - SIM Application toolkit capable SIM to 3GPP GSM TS11.14
  - NDIS or Standard modem emulation for compatibility with terminal programs/dialers and for use with proprietary operating systems. AT Interface 3GPP TS27.005, ATD*99# and ATD*99***<CID># support
  - Multiple communication ports for simultaneous data call and network coverage reports

Hardware specifications

- Card Type: ExpressCard/34
- Miniature External Antenna Connection
- Red LED for GSM / GPRS / EDGE and blue LED for HSUPA / HSDPA / UMTS
- SIM card interface compliant with 3GPP 31.101 and 31.102 supporting 1.8 and 3V UICCs
- Environmental Operating temperature: 0 to +55°C

Approvals / certifications

- All applicable regulatory approvals, Operator and Infrastructure IOT
- Microsoft WHQL certified drivers
- RoHS Compliant

GlobeTrotter Ex Converter, Model GE 001
Optional Compact Cardbus - ExpressCard Converter