



GLOBETROTTER FUSION+

HSDPA
READY

3G UMTS | EDGE | GPRS | WLAN | PC DATA CARD

GlobeTrotter FUSION+ is the ultimate PC Data Card solution bringing enhanced broadband wireless capability to laptops and notebooks by combining WLAN, HSDPA, UMTS, EDGE and GPRS technologies in a single PC Card package.

On a 3G network, GlobeTrotter FUSION+ enables connection to the Internet at data speeds of up to 384 kbps. Move into range of a public WiFi hotspot, the corporate Wireless LAN, or your home wireless network and the GlobeTrotter Fusion+ gives you speeds up to 54Mbps.

In areas where 3G service or WiFi is not available the GlobeTrotter FUSION+ still enables reliable and secure data connections over EDGE at up to 247 kbs and GPRS at up to 85.6 kbs.

Being HSDPA-Ready the GlobeTrotter FUSION+ supports the new HSDPA technology standard providing Internet access speeds of up to 1.8 Mbps. When HSDPA (High Speed Download Packet Access) is made available by network providers this PC Data card is easily HSDPA enabled by the user through a simple Internet upgrade. HSDPA-Ready from Option is a future-proof technology.

GlobeTrotter FUSION+ 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!





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FEATURES

- > Multimode WLAN/UMTS/EDGE/GPRS/GSM card
- > Upgradeable in-field to HSDPA 1.8 Mbs
- > Provides UMTS High-speed data (up to 384 kbps) connectivity for mobile users
- > Provides EDGE/GPRS/GSM data (up to 247 kbps) connectivity
- > Provides Wi-Fi® CERTIFIED WLAN speeds up to 54 Mbps (@2.4GHz)
- > Transparent handover between UMTS and GSM/EDGE networks
- > Optional seamless handover between WLAN and 2,5G/3G possible via third party software
- > Compatible with nearly all popular notebook PCs equipped with Type II PC card slot and Microsoft Windows operating system
- > 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.
- > WLAN encryption 64 or 128-bit key WEP and TKIP
- > WLAN authentication 802.1x; Wi-Fi CERTIFIED WPA™ - Enterprise, WPA™-Personal, LEAP, PEAP, EAP-TLS, EAP-TTLS, EAP-SIM, WPA2™ - Enterprise, WPA2™ - Personal
- > Supports third party applications that provide Video Telephony (3GPP 3G-324M, H.324, H264 Baseline Video), SIP, SMS, IM, MMS, Internet and Email.
- > Comprehensively tested on infrastructures and networks worldwide.
- > GlobeTrotter Mobility Manager application (Connections manager and SMS centre).
- > Future proofing through Flash Memory technology

SPECIFICATIONS

- > UMTS Air Interface:
 - 2100 MHz band
 - 3GPP FDD compliant - 3GPP Release 5, June 2004-06
 - - UE Category 12, QPSK, - 120Kbps+ n*120Kbps up to 384kbps Peak Rate
 - UE Power Class 3 (+24 dBm)
 - 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
- > EDGE/GSM Air Interface:
 - 850/900/1800/1900 MHz (US-Cellular, EGSM, DCS and US-PCS bands)
 - 3GPP Release 99, September 2003 - Change Requests. - compliant
 - 3GPP Release 4: GERAN Feature Package 1 (NACC, Extended UL TBF, Delayed TBF)
 - EDGE Power Class E2, GSM Power Class 1 at 1800/1900 MHz and Power Class 4 at 850/900 MHz; coding schemes UL & DL - CS 1-4, MCS 1-9
 - Packet-switched data:
 - > Multislot (E)GPRS Class 10, (E)GPRS Class B Type 1 MT
 - > Streaming, Background & Interactive QoS Classes Supported
 - Circuit-switched data: 14.4, 12.2 and 9.6 kbps
- > WLAN Air Interface:
 - WLAN 802.11g (backwards compatible with 802.11b)
 - UE power up to 19.5dBm (89mW)
 - On-board selective diversity with two antennas
 - 2.412-2.462Mhz, DSSS Half Duplex
 - > 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
 - > 802.11b: 1, 2, 5.5, 11Mbps
 - Access mode: Infrastructure or Ad-hoc(peer-to-peer)
 - Security (Wi-Fi CERTIFIED)
 - > Authentication WPA™ - Enterprise, WPA™ - Personal, LEAP, PEAP, EAP-TLS, EAP-TTLS, EAP-SIM, WPA2™ - Enterprise, WPA2™ - Personal
 - > Encryption TKIP, 128-bit and 64-bit WEP
- > Terminal Equipment Interfaces:
 - Drivers: Windows™ 2000 Pro, Personal and XP Pro and Home, MAC OS X. NDIS 5.1 interface on request
 - A PCSC compatible driver, compliant with ISO 7816 and 3GPP TS11.11
 - SIM-ME interface as specified in 3GPP Rel '99 GSM TS11.11 and GSM 11.12 and with compliance to ISO 7816.
 - Standard modem emulation for compatibility with terminal programs/diallers and for use with proprietary operating systems. AT Interface 3GPP TS27.005, ATD*99# and ATD*99***<CID># support
 - Multiple serial ports for simultaneous data call and network coverage reports

HARDWARE SPECIFICATIONS

- > Card Type: Extended Type II PCMCIA compliant; 3.3V card. (32 bit Cardbus Interface).
- > Miniature External Antenna Connection,
- > Green LED for WLAN and bi colour LED for EDGE and 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

- > R&TTE directive 1999/5/EC (health, safety, SAR, EMC, spectrum), CE, FCC
- > GCF compliance and PTCRB as applicable, Operator and Infrastructure IOT
- > Microsoft WHQL certified drivers

As part of their continual product improvement process Option reserve the right to alter the specifications for the product detailed here.
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