



Globetrotter: Operational Description

The Globetrotter PC Radio Card is a triple band GPRS PCMCIA card meeting all GSM and GPRS applicable specifications. It provides packet switched (PS) and circuit switched (CS) data connectivity to the Internet, intranets, enterprises, and more. In addition, GSM voice capabilities are supported using an attachable headset.

This GPRS mobile device provides simultaneous connection to the GPRS and GSM service network but not simultaneous traffic. It operates with multi-slot class 10 capability meaning that per time frame 4 downlink slots (data transfer from base station to mobile terminal) and 2 uplink slots (data transfer from mobile terminal to base station) are available.

Utilizing PCMCIA technology the PC-Radio Card presents itself as two serial port devices. Dependent on the operating system and user installation options the primary port will be visible either as a standard dial-up modem, or, by installation of the correct drivers, as an NDIS compatible serial device. The secondary serial port is used for configuration and diagnostics.

The card operates at both 3.3V and 5V, with automatic switching. There is a current limiting circuit for PCMCIA power supply – to prevent power consumption exceeding PCMCIA recommendations.

The Globetrotter is equipped with one miniature size SIM connector with full support for GSM Phase 2 SIM cards. The SIM is located on the top side of the card and is removable only when the card is not in PCMCIA sleeve in a Laptop or supporting device