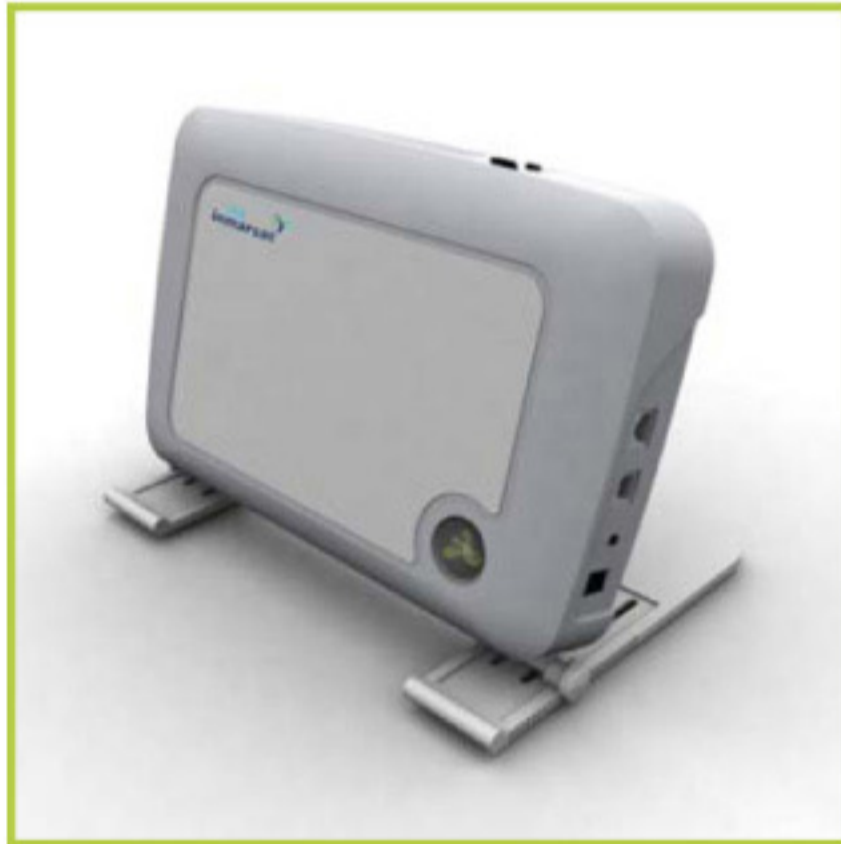


wideye™ Sabre I

Key Features

- Connection to Inmarsat's Broadband Global Area Network (BGAN)
- Support both data & voice
- High data rate of up to 422.4Kbps
- Speech service to/from PSTN/2G/2.5G/3G terrestrial network
- Data service to/from Internet/Intranet, GPRS PLMNs, UMTS PLMNs and other BGAN user
- Built-in Bluetooth Access Point



Broadband Satellite Communications

The Sabre I utilizes the Inmarsat-4 satellite to connect to its Broadband Global Area Network (BGAN), supporting voice and data communications via the satellite link.

Speech

The Sabre I is built-in with Inmarsat low bit rate (4Kbps) AMBE+2 speech codec, supporting speech to/from PSTN/2G/2.5G/3G terrestrial network.

Packet Switched (PS) Services

In addition to Circuit Switched Services, Sabre I Satellite Modem also supports Packet Switched Services to/from the Internet/Intranet, to/from GPRS PLMNs, to/from UMTS PS PLMNs, and to/from other BGAN users.

Support Wide Range of PS Services

The Sabre I has been designed to support a wide range of PS switched services such as IP Telephony/Facsimile, Email & Messaging, Internet Access, Video Conferencing, Multimedia Streaming and other applications based on standard TCP/IP.

Integrated Bluetooth Access Point

While supporting standard RJ11 and USB interface for circuit switched and packet switched services respectively, the Sabre I is also integrated with a Bluetooth access point, supporting wireless voice (via an optional Bluetooth handset) and data connection (via an optional Bluetooth data dongle).

High Transportability

Designed with high transportability in mind, Sabre I Satellite Modem is enclosed in an A5-size casing that can be easily fit into your notebook bag.

Interfaces & Built-in Functions

The Sabre I comes with a USB port for computer connectivity and an RJ11 port for telephone connection. In addition, it is also built-in with GPS, internal battery and internal BGAN antenna.

Rugged & Stylish Design

Not only is Sabre I designed with a stylish outfit, it is also constructed with IP44 standard, and shall withstand most demanding application for most users.



Specifications

RADIO

Frequency

Receive: 1525MHz - 1559MHz
Transmit: 1626.5MHz - 1660.5MHz

Channel Modulation

Receive: QPSK and 16QAM
Transmit: pi/4 QPSK

Antenna

Gain: 8.5dBic
Pointing Loss: 0.3dB
RX Sensitivity: -143dBW/m²

Maximum Bearer Data Rate

Receive: 422.4Kbps
Transmit: 252.8Kbps

INTERFACE

Universal Serial Bus (USB)

Standard: USB Specification 1.1
Driver Support: Windows 98SE, Windows ME, Windows 2000, Windows XP, MAC OS 8.5 & above, Linux.

2-Wire Telephone (RJ11)

Standard: 600 Ohms CCITT Rec 473

BATTERY

Transmit Time: 1 hour continuous transmission at data rate <= 72Kbps (without recharging)

Receive Time: 3 hour continuous receive without transmit requirement (without recharging)

Standby Time: 36 hours typ. (minimum)

SUPPORTED TCP/IP APPLICATIONS

VPN Client: Based on PPTP, L2TP and IPSec
VoIP: H.323 and SIP
Email: POP3, SMTP and IMAP
Messaging: Yahoo! Messenger, MSN Messenger
Conferencing: Microsoft Netmeeting
Web Browsing: HTTP and HTTPS

ENVIRONMENTAL

Ambient Temperature Operational

Operational: 0°C to +40°C
Internal Battery: +5°C to +40°C

Charging Temperature

0°C to +40°C ambient

Storage Temperature

-20°C to +60°C ambient (include battery)
-40°C to +80°C ambient (excluding battery)

Operating Humidity

95% non-condensing at +40°C

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