



SB Lite is the world's most compact flying broadband satcom system



Enhance Productivity

Access business critical information. Talk to head office. Send and receive emails. Download documents, presentations, graphics. All simultaneously while the flight crew update the EFB and communicate with dispatch.

Use your own laptop, Blackberry, Smartphone and PDA via a Wi-Fi hub inside the cabin, just as if you were in your own office or executive lounge.

Expect high quality voice, remain connected to the global telecom network, for quick email delivery, text messages, and instant access to the Internet.

All this is possible with SB Lite

APPLICATIONS

For the Flight Crew

- Voice communications.
- EFB, flight plan, graphic weather
- NOTAMs and chart updates.
- All administrative (AAC) and operational (AOC) communications.

For the Passenger

- High Quality Telephone, VOIP and text messaging.
- Email, intranet, internet and instant messaging.
- Secure VPN (Virtual private networks).
- Transfer large files, photos, videos and presentations.
- Video conferencing
- In-flight news.
- Secure encrypted phone calls.

Suitable For All Aircraft Types

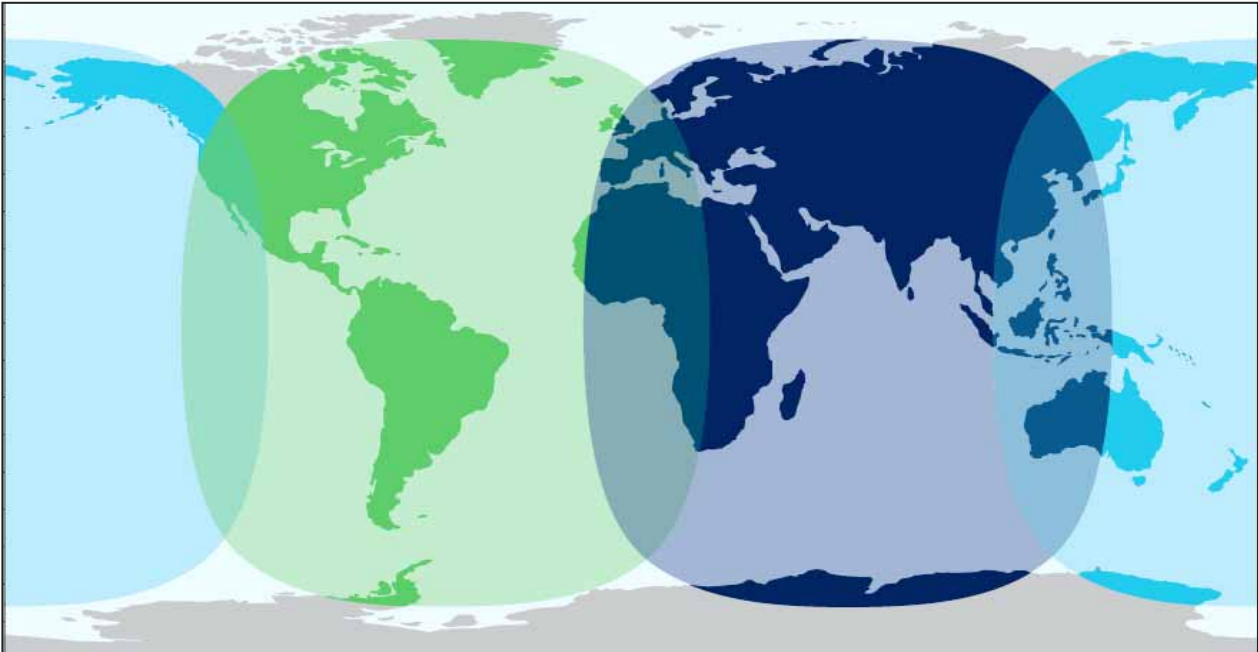


SB Lite is a complete global airborne office communications solution that operates seamlessly across the world using the worldwide SwiftBroadband service provided over the Inmarsat Satellite system which is known for its exceptional reliability and availability.



SB Lite is the most compact, flexible, and cost effective aircraft broadband satcom solution available.

Uses the latest Inmarsat 4th Generation Satellites



- Data rates up to 332 / 432 kbps
- High quality, low cost voice
- Multi-user capability
- Built-in router
- Wireless functionality
- Supports Wi-Fi handheld devices

ENCRYPTION STANDARDS SUPPORTED FOR MILITARY / GOVERNMENT OPERATIONS

- * General Dynamics SMEPed
- * General Dynamics vIPer
- * Brent
- * DTECH Whisper900
- * General Dynamics KG-175B Mini-Taclane (HAIPE)
- * General Dynamics KG-235 (HAIPE)
- * ViaSat AltaSec KG-250 (HAIPE)
- * Thales DC2K
- * L3 STE
- * SafeNet KIV7
- * L3 Omni
- * AT&T STU-III
- * GD Sectera Wireline
- * L-3 Talon (HAIPE)
- * L-3 RedEagle KG-245 (HAIPE)

| | |
|--|---|
| | World Wide Web – Surf the internet as you would at the office or home. |
| | E-mail – Reading e-mail and downloading attachments is swift and easy |
| | Phone – Make quality phone calls at a low cost using either wired or wireless handsets. |
| | Fax – Send and receive faxes. |
| | Corporate LAN – Log-on to your corporate network from anywhere in the world. |
| | Data – With rates up to 432 kbps, use your laptop or WiFi handheld device to stay connected. |



Blackberry



VOIP Phone



Laptop PC



PDA

**Wi-Fi Hot Spot
OPTIONAL**



**2 Phone
Connections**

**Ethernet
OPTIONAL**

Up to 6 Connections
or Devices

In Flight
Entertainment
System

EFB Updates

Aircraft System
Interface & Data

Medical EMS
Devices

ISDN Connections for
Specialist Equipment
More applicable to military /
government operations



Cockpit Phone



Cabin Phone located in Galley

Customise the system to fit your communication needs.

From a Simple Phone and Laptop Pc to a complete integrated communications system.



Comprises two electronic Units and one Antenna



Antenna

Dimensions 22" x 5.9" x 4.9"
(L x W x H) (560mm x 151mm x 124mm)
Weight 5.3 lbs / 2.4 kg
DO-160D/E Compliant

HLD (Antenna / Diplexer)



Dimensions 9.5" x 8" x 2"
(L x W x H) (240 mm x 206 mm x 50 mm)
Weight 5.8 lbs / 2.6 kg
Operating Temperature -25 °C to +55 °C
Storage Temperature -40 °C to +85 °C
Altitude 55000 ft
Should be mounted as close to the Antenna unit as possible.
HLD is powered from the SBU via the coaxial cable.
DO-160D/E Compliant



SBU (SwiftBroadband Unit)

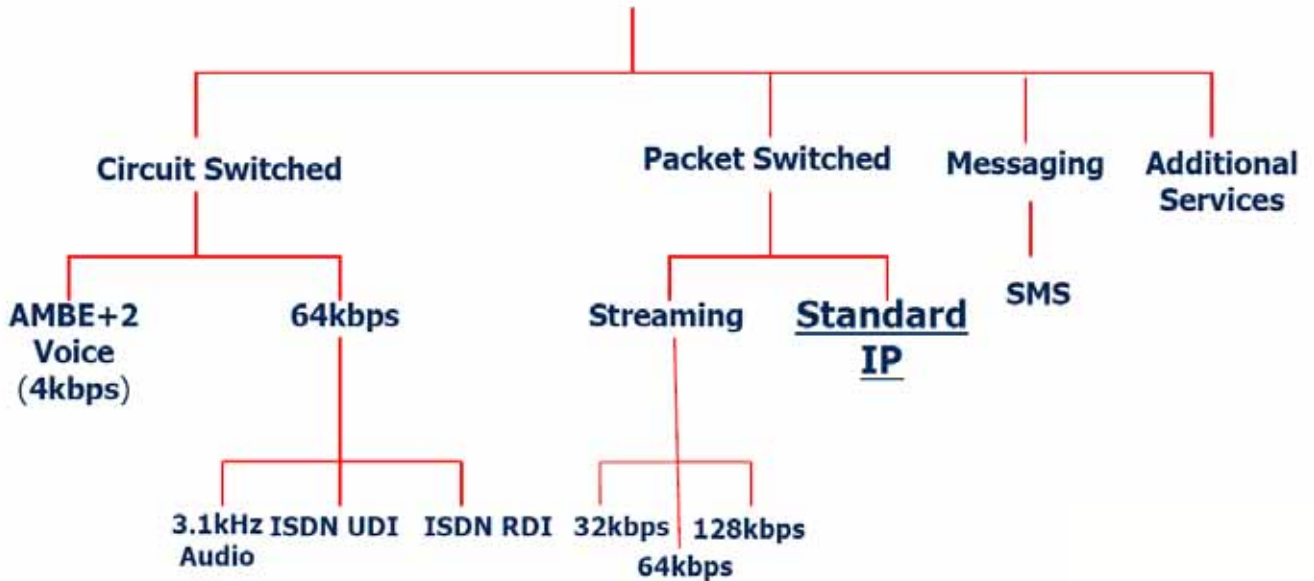
Dimensions 12.5" x 7.6" x 2.25"
(L x W x H) (321 mm x 194 mm x 57 mm)
Weight: 5.5 lbs / 2.5 kg
Mounting: ARINC 404A 1/4 ATR short tray
Forced cooling not required.
Supply Voltage Nominal: +28.0 V DC
Max power consumption 115 W
Operating Temperature -25 °C to +55 °C
Storage Temperature -55 °C to +85 °C
DO-160D/E Compliant

Extremely small compact and lightweight
Total Weight less than 20 lbs (9 kg)



SwiftBroadband Service Offering

The benefits of IP with legacy service support



SERVICES AVAILABLE

PHONE - Make high quality phone calls at the same time as downloading email, accessing the Internet or connecting to the office Intranet. It may even be possible to use your own mobile phone.

EMAIL and INTERNET - Use Standard IP Access email, internet, office intranet access via secure VPN connection at speeds up to 332 kbps.

TEXT Messages - Send and receive instant messages via Blackberry or PDA.

OPERATIONAL SUPPORT *
Engine trend monitoring
Tracking & Flight Following
Secure Encrypted Voice (Phone)
Weather Updates
Logistics Support (Fuel, maintenance, VIP Handling)
Medical EMS support
Flight Planning, Clearances, Diversion Management
* These services may require an additional server or software.

VIDEO and AUDIO - Use the Streaming IP service for guaranteed data rates for applications such as video and high quality audio. transmission.

We provide everything to help ensure a continuous communications capability wherever you fly, including airtime and a total single point of contact support for hardware, software and service provision.



ADS Aerospace is a leading provider of Inmarsat's aeronautical satcom systems, including the new global "SwiftBroadband" aircraft high speed data and voice systems, at competitive airtime prices.

We provide a complete service for a dependable satcom capability, from defining the most suitable requirement, supplying the avionics and airtime services, to supporting and managing the system for clients once it is operational.

Our satcom products and services are based on the latest state-of-the-art technology, providing the most cost effective, compact and powerful solutions available.

Our expertise goes back to the first ever satellite phone call on a civilian aircraft as well as the global commercialisation of Inmarsat's aeronautical satellite communications service.



We provide everything to help ensure a continuous communications capability wherever you fly.

- CONSULTING** Advice on the most suitable and cost effective communications capability for your requirements.
- AVIONICS** Advising on most suitable avionics.
- SYSTEM DESIGN & INTERGRATION** Working with clients on the installation and associated activities to provide a communications capability.
- COMPETITIVE AIRTIME** Providing competitive airtime prices for all your satcom systems.
- SUPPORT & TRAINING** Providing complete support for the avionics, software upgrades, satcom network or operator issues and training.
- SYSTEM AUDIT** Providing regular reviews of the installed system ensuring that their effective use and advising on upgrades and enhancements. Independent assessment of satcom proposals.

Consulting - Avionics - Design - Integration - Competitive Airtime - Support - Training - Audits

ADS Aerospace

"Stay Connected, Stay Productive and Save Time"

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