

AVIATOR SP Series

Special Purpose Product Range

COBHAM



Satcom solutions for Airliners and Bizjets



Satcom solutions for Helicopters



Satcom solutions for UAVs



AVIATOR SP Series

SwiftBroadband is an Inmarsat packet-switched service that offers in-flight connectivity (access to the Internet, email, voice-calls and any other application used at home or in the office, e.g. Skype, Facebook). The system can also support video streaming, with typical applications in video-conferencing and aerial surveillance. Background data rates of up to 432kbps per channel, depending on the class of service (determined by the class of antenna – LGA, IGA or HGA).

The Cobham AVIATOR SP SDUs (Satellite Data Units) provide the radio modem and system control functionality of the SwiftBroadband system.

These SDU's have one or more of the following unique differentiators:

- They support multi-channel SwiftBroadband
- They are available in a flange mount configuration
- They have ARINC 600 connector interfaces
- They offer extended temperature and vibration qualifications

The **SDU-7310/7315** is a flange mount SDU that does not require an ARINC 600 tray and employs a circular connector, saving space, weight and installation cost. With this SDU, even the most space restricted aircraft can have L-band SATCOM. The flange mount form factor is available in both single and dual channel versions and can be installed in any orientation, offering unmatched installation flexibility. It is ideal for installation on any aircraft, but preferred by small bizjets, helicopters and UAVs.

The **SDU-7320** is a single or dual channel SDU packaged in a 2 MCU ARINC 600 enclosure. This unit fits into an ARINC 600 tray and is ideal for installation in the aircraft avionics bay.

The **SDU-7330** is available in single, dual or four channel configurations, packaged in a 3 MCU ARINC 600 enclosure. The 4 channel SDU is ideal for bandwidth hungry and flexible application requirements.

AVIATOR Special Purpose System Configurations

Cobham AVIATOR 200SP is Cobham's smallest and lightest system consisting of the SDU-7310 (flange mount), the HLD-7260 and the LGA-3000 blade antenna. This system gives the user access to Inmarsat Class 15 SwiftBroadband service, allowing up to 200kbps data throughput.



LGA-3000



SDU-7310



Cobham AVIATOR Multi-Channel Systems consist of an SDU-7320/7330 along with an HPA-7450, DAU-7070 and a choice of Intermediate or High Gain Antenna. This will give the user access to Inmarsat Class 6 or Class 7 SwiftBroadband service, allowing up to 432kbps data throughput.

2MCU SDU-7320



3MCU SDU-7330





1 Military and Surveillance Applications



2 VIP and Commercial Applications



3 Helicopter Applications

SDU-7310/7315 Features:

- The flange mount package reduces installation costs and increases flexibility
- Suitable for installation outside the aircraft pressure vessel
- Integrated SIP server
- Routing of internal calls between handsets
- PPPoE Internet access
- Power Over Ethernet on all ports (configurable)
- 1 or 2 channel option
- Class 6, 7 and Class 15 system configurations
- Inmarsat Approvals :

S6CH08; S7CH03

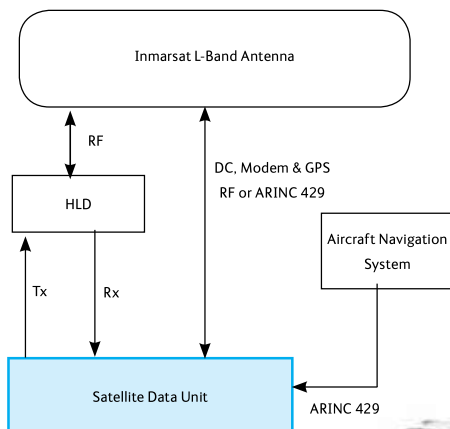
User Interfaces:

Ethernet : 2 x 10BaseT user ports

POTS: 2 x Two-wire phone interfaces
(Two handsets per interface)

RS232 for remote monitoring and control

Radio silence discrete input



DAU-7070



HPA-7450



HLD-7260

SDU-7320 2 Channel Features:

- 2 MCU package
- Integrated SIP server
- 1 or 2 channel option
- Can be used in a variety of system configurations with any Cobham High Gain or Intermediate Gain Antenna
- Qualified for installation in non-pressurized and non-temperature controlled environments
- Inmarsat Approvals:

Class 6 Multi Channel B6CH01

Class 7 Multi Channel B7CH01

User Interfaces:

Ethernet: 4 x 10BaseT user ports

DHCP Server

Power Over Ethernet (16W Group 1)

PPPoE Server

Front panel maintenance port

ISDN: 2 ports support up to 8 terminals

POTS: 4 x Two-wire phone interfaces

SDU-7330 4 Channel Features:

- 3 MCU package enables plug and play upgrade from Swift64
- 4 channels allows maximum throughput in a flexible system topology.
- Different interface options to suit your applications
- Integrated SIP server
- Qualified for installation in non-pressurized and non-temperature controlled environments
- Inmarsat Approvals:

Class 6 Multi Channel B6CH03

Class 7 Multi Channel B7CH03

User Interfaces:

Ethernet: 4 x 10BaseT user ports

DHCP Server

Power Over Ethernet (16W – Group 1)

PPPoE Server

Front panel maintenance port

ISDN: 2 ports support up to 8 terminals

POTS: 4 x Two-wire phone interfaces

HGA-6000



IGA-5001



HGA-7001





The most important thing we build is trust

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