

A Crew Private Satcom Wifi Network



Crew Private Network

Crew members all use iPads, iPhones and other devices on duty in flight. AIR SAT is your crew's private mobile Satcom for voice calls, SMS texting, data, email or Twitter.

Up to five terminals can be operated: this means one for the captain, one for the first officer, and three in cabin. A password protects and allows access to the crew only. One at a time can make a voice call.

A mini telephone switch enables voice call transfers between them. All other data communication can occur simultaneously.

On Business Aircraft

Old fashion hand held telephones are easy to replace with AIR SAT. On board, anyone can therefore use their personal devices to make calls.

On business aircrafts, VIP passengers in cabin have access to the WIFI network to make their own calls.

In case of diversion, crew and passengers can discuss the different solutions with the ground.

In case of unexpected medical problems in flight, cabin crew can join the passenger at his seat, and call medical services on the ground to organise a

remote diagnostic in voice. Call can be transferred to the captain, to evaluate the need for diversion.

Facing an unexpected technical problem, with no existing prevention procedure, crew can directly discuss with operations.

In flight delay situations, for VIP passengers, crew can discuss transit solutions with the ground.



YOUR touchpad IS:

Your crew's private mobile Satcom for voice calls, SMS texting, data, e-mail or Twitter.

Connected wirelessly to headsets.

A free en route worldwide virtual weather radar:

- Coverage anywhere and ahead of own weather radar range
- Automatic free of charge update ahead of flown route
- World wide winds and clouds aloft at all FL
- Zoom in and out at your discretion
- Free automatic TAF and METAR update along flown route
- ADS-B in 1090 MGHZ on iPad.



Airtime Costs

An airtime attractive program offers two and a half hours voice talking time and unlimited SMS, messages, Tweets, Email up to 50 KB and data for 175 \$ per month.

Application Software

Application software for AIR SAT usable on any equipped aircraft has to be uploaded once for ever before the flight. Android and iOS operating systems are covered.

Technical Features

AIR SAT enclosure has:

- an IRIDIUM transceiver
- a WIFI ROUTER
- a power converter
- built in WIFI antennas.

It is one enclosure :

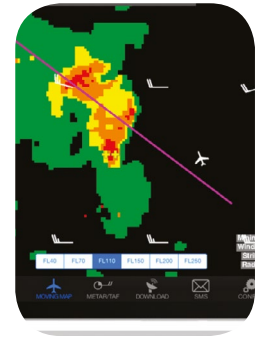
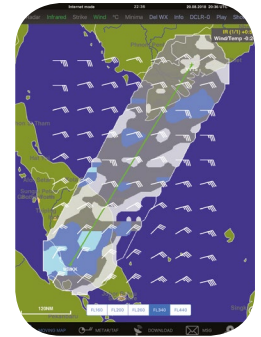
- sized 165 x 119 x 80 mm
- Weigh 660 grammes
- DO 160 G compliant
- power supply: 5 to 28VDC

AIR SAT is supplied with engineering modification procedures designed by a PART 21 organization.

It includes installation and maintenance procedures, plus manuals with drawings.

Part 145 organisation maintaining the aircraft is taking care for installation on the aircraft.

Use of any existing IRIDIUM antenna prevents the need of a dedicated STC.



IRIDIUM NEXT

A new satellite network is already on orbit and open soon. Current equipment is compatible with an upgrade. Satellite connectivity bandwidth will increase to three simultaneous voice, full Internet and social media access.

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