



## Want a faster, more cost-effective connection to the internet?

The Flightstream AOC is a small, portable device that optimizes satellite communications as well as providing a billing solution for operators that have a need to charge for individual Wi-Fi access.

The Flightstream AOC incorporates a number of technologies to reduce data usage over the satellite network and provides a better overall experience for the end-user by utilizing advanced acceleration, optimization and compression specifically designed to account for latency and packet shaping considerations specific to satellite communication.



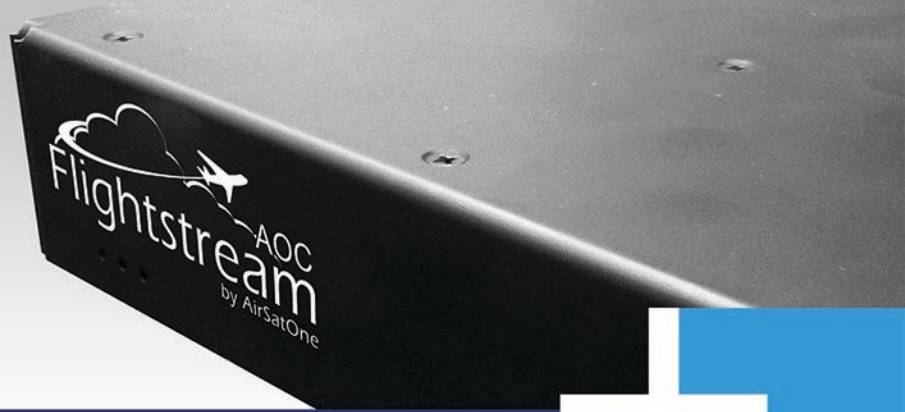
The router uses web caching to save a copy of all visited web content to the Flightstream AOC. If a passenger requests content which has already been requested, the Flightstream AOC will deliver the content from its web cache instead of requesting the data on the internet thereby reducing network traffic and improving access times.

The Flightstream AOC also reduces network traffic and data usage by using a ground server to compress the requested data before forwarding it to the end user. Our lossless compression algorithms identify statistical redundancy in your data, and then reformats the data stream on the fly to deliver the same data with a much smaller footprint. The Flightstream AOC can also perform lossy compression on the images your web browser displays when surfing the web, which degrades the image quality to provide up to 90% in data usage savings for image downloads. When using the maximum compression settings the Flightstream AOC can also block advertisements and remove large background images from the requested webpage.

The Wi-Fi captive portal option on the Flightstream AOC, provides a “Pay on Board” billing solution just like a hotel or coffee shop. This option allows the user to pay via credit card which will activate the user’s Wi-Fi connection. Our billing system allows the operator to set prices for internet access. The operator can choose to pass along the cost of satellite airtime or to mark up the cost of airtime creating an additional revenue source.

The Flightstream AOC is extremely light weight and compact, weighing in at only 1.1 pounds in a package the size of a small paperback book. Installation is simple, and only requires aircraft power and a connection between the ethernet cable going from the existing router to the satellite communications system. All connections to the Flightstream AOC are through a military spec d-sub connector. Included with the Flightstream AOC is a jumper plug that bypasses the unit when not on board or in use which effectively restores the original interconnect configuration.

- + Reduce airtime data usage by up to 80% with best-in-class compression, optimization & acceleration techniques.
- + Onboard web cache eliminates redundant http requests from using your precious bandwidth.
- + Captive Portal Wi-Fi allows the billing of passengers for airtime.
- + Wide array of firewall and router features include: failover, load-balancing, QoS, port-forwarding, NAT scheduling, traffic shaping & more.



# Specifications

## Features

**Web Browsing and Acceleration:** Caching and Compression

**Prepaid Internet Access (Captive Portal):** Prepaid internet access by megabyte or time.

**Firewall:** Completely configurable: Blocking by source or destination IP address, port forwarding, plus Inbound NAT Scheduling

**Content Filtering:** Programmable whitelist/blacklist access to web content by category, URL

**Traffic Shaping:** Programmable network prioritization and optimization (QoS)

**Virtual LAN (VLAN):** Allows multiple isolated LANs and WANs with external VLAN switches.

**Remote Management:** Remote Management with VPN

**Least-cost Routing:** Preferential Port Usage

**Failover & Load Balancing:** Automatic or Manual Simple Failover or Load Balancing (accommodate multiple satellite systems)

**Certifications:** Inmarsat Certified, Inmarsat VLA Compliant, Iridium OpenPort Certified

**Web Administration:** Easily configurable via intuitive web browser interface

**Console Administration:** Console administration access via DB9 NULL Modem Cable (included) or via SSH

## Specifications

Chassis: (7.9" x 6.3" x 2.4")

Weight: 1.1 pounds (0.5 kilograms)

Power: 28VDC

Current: 500 mA max

## Supported Communications Systems

Inmarsat Swiftbroadband

Iridium OpenPort

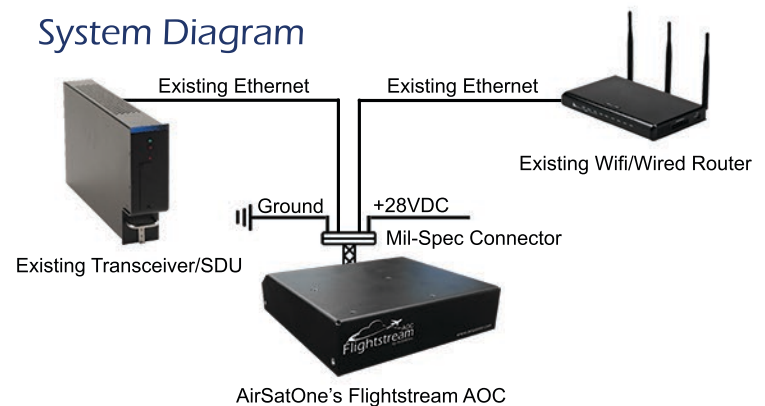
Globalstar

Thuraya IP

VSAT Ku-Band

any other IP-based service

## System Diagram



## Contact / Ordering Information

Contact AirSatOne today for more information on the Flightstream AOC router.

+ Call us: 1-800-497-1750

+ Email us: [sales@airsatone.com](mailto:sales@airsatone.com)

+ Visit us: [airsatone.com](http://airsatone.com)