

**In-Flight  
High-Speed  
Internet  
Connectivity**

# FliteStream™ F-210

F-200 Series: Fuselage Mount SATCOM System



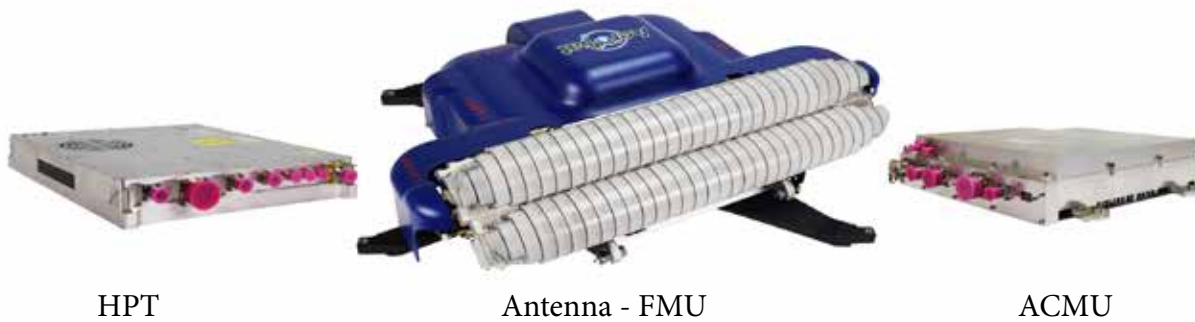
## FEATURES

- Enjoy seamless high-speed connectivity from the moment you step on board the aircraft to when you land at your destination.
- Browse the internet, send and receive emails, make calls using Voice-Over-IP (VoIP), access VPN services, conduct video conferences, enjoy your favorite work or entertainment applications.
- Provides global always-on broadband internet access.
- Highest performing Ku band SATCOM antenna system critical for low angle satellite coverage while flying at higher latitudes.
- Works seamlessly with laptops, tablets, and smart phones.
- ITU compliant Ku band SATCOM antenna system.
- Satellite tracking design allows for full continuous motion in azimuth and -10 to +90 degree motion in elevation. Provides full reception performance during aircraft flight maneuvers, even at higher latitudes.
- Antenna is mounted externally to the aircraft under a protective radome enclosure.

## GLOBAL COVERAGE

With Ku band satellite coverage, you can operate globally without settling for less.





HPT

Antenna - FMU

ACMU

## INPUTS

Power: 115VAC, 400Hz

Control Interface: Ethernet

Navigation Interface: ARINC 429

## LRU's

F-210 system is composed of 3 aircraft LRU's:

1. Antenna (Fuselage Mount Unit - FMU).
2. Antenna Control & Modem Unit (ACMU).
3. High Power Transceiver (HPT)

## CERTIFICATION

- RTCA DO-160 & RTCA/DO-178 compliant
- Certified and PMA'd on multiple aircraft types:
  1. Airbus A319, A320, A330, A340
  2. Boeing B737, B747, B757, B767, B777, BBJ

## TYPICAL PERFORMANCE

EIRP: 45.5 dBW (40W HPT)

G/T (25°K Sky Temperature): 11.7 dB/K @ 11.7 GHz

Receive Frequency: 10.7 GHz to 12.75 GHz

Transmit Frequency: 13.75 GHz to 14.5 GHz

Polarization: Linear Orthogonal Tx/Rx

Cross Polarization Rejection: 20 dB

Polarization Control: 45°±110°

Field of View:

Azimuth (continuous): 360°

Elevation: +90° to -10°

Roll, Pitch, Heading Rates of Change: 7.0° / Second

Roll, Pitch, Heading Acceleration: 7.0° / Second / Second

## Astronics AeroSat

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## TYPICAL PERFORMANCE

Weight (w/o power amplifier):

FMU (Antenna): 64 Lbs.

ACMU: 20 Lbs.

ACMU Size: 16.25"x3.9"x14.7"

Power (w/o power amplifier): <150 Watts on average

FMU Operating Temperature: -55° to +70° C

ACMU Operating Temperature: -15° to +55° C

Modes of Operation: Pointing, BIT, Stowage,  
Maintenance

## 40W HPT SPECIFICATION

Power: 400W on average

Operating Temperature: -15°C to +55°C

Weight: <21 Lbs.

Size: 19.3"x2.5"x15.0"

## RADOME SPECIFICATION

Weight: 26 Lbs.

Size: 64.4"L x 34.3"W x 9.49"H

## COMPATIBLE MODEMS

Inquire for latest list of compatible modems



**ASTRONICS**  
AeroSat