



E-Series

Fuselage Mount Electronically Steered Antenna SATCOM System

High-Performance Electronically Steered Antenna (ESA)

- Fully active electronically steered antenna array with no moving parts.
- Provides the highest inflight connectivity performance for maximum passenger bandwidth available.
- Dual receive beams to provide transparent satellite switchover in flight without connection outages.
- Optimized to take advantage of all next generation satellite network technologies - GEO, MEO, and LEO.
- Simplified installation on top of the fuselage - no requirement for separate antenna, mounting plate, and radome.
- 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.
- Use with laptops, tablets, and smart phones of your choice.

Low Profile & Low Drag

- Provides an ultra low profile above the aircraft fuselage skin (less than 4 inches).
- Provides for minimum aircraft drag reducing fuel burn.

Global Coverage

- With Ku-band GEO, MEO, and LEO satellite coverage, you can operate globally without settling for less.

KEY BENEFITS

- Extremely low profile, <4" in height, minimizing drag.
- Ability to conform to the aircraft fuselage to optimize aerodynamics and high latitude operational performance.
- 100% solid-state ESA, with no moving parts, maximizing mechanical reliability.
- Suitable for both commercial and government aircraft.
- Hybrid networks and full satellite constellations support for future mixed (LEO/MEO/GEO) satellite networks.
- Designed to withstand harsh weather environments & environmental conditions including de-icing fluids.
- Minimizes aerodynamic impacts on other nearby antennas and fuselage structures.



Modular System

- The E-Series offers a flexible, modular system architecture to serve a wide variety of aircraft types and applications:

1. E-1000 model - ideal for twin and single-aisle commercial aircraft.

Compatible with existing GEO satellite constellations and is ready for LEO and MEO satellites.

2. E-600 model - ideal for single-aisle and business aviation aircraft. Compatible with existing GEO satellite constellations and is ready for LEO and MEO satellites.

3. E-200 model - ideal for turboprops up through twin-aisle commercial aircraft depending on connectivity requirements. Compatible with LEO-only satellite networks.

Single TX/RX Array

- Simultaneous transmit and receive functionality from a single antenna array.
- No need for separate transmit and receive panels that increase antenna size and weight.

Integrated Modems

- Inquire for latest list of compatible modems.

Radome

- The E-Series includes an integrated radome.

Aircraft Types

- Suitable for commercial and government aircraft types.
- Compatible with supersonic and subsonic aircraft types.

Get Started Today

For additional details, please contact Astronics AeroSat.

220 Hackett Hill Rd.
Manchester, NH 03102
+1.603.879.0205



AeroSat.Info@Astronics.com

www.aerosat.com

E-SERIES SPECIFICATIONS

Dimensions

E-1000: 78" L x 61" W x 3.5" H

E-600: 78" L x 47" W x 3.5" H

E-200: To Be Finalized