Take off with...
Thuraya Aero

Thuraya Aero

POWERED BY **smp** aviation

Your eyes in the sky

Thuraya Aero enables in-flight connections for internet access, voice calls, text messaging, high-speed data applications such as video and audio conferencing, large file transfer (e.g. surveillance videos), Voice over IP, besides much more.

Led by smp aviation, a reputed industry player, Thuraya Aero is powered by a partnership between Thuraya Telecommunication Company and the Aero Group. Accounting for more than 30 years of combined experience in developing and implementing solutions for the aviation sector; the Aero Group is a consortium of global technology and service innovators consisting of Cobham, SCOTTY Group and SRT Wireless.

Integrated with the Thuraya satellite network, Aero communication requirements synchronize perfectly with L-band services. Applications such as search and rescue, ISR (Intelligence, Surveillance and Reconnaissance), telemedicine, military operations, office-in-the-sky and border surveillance require real time airborne data. Thuraya Aero provides an exciting and attractive alternative to support these high-end services. It is suitable for fixed wing and rotary wing aircraft, as well as other air platforms flying missions beyond line of sight.

Thuraya Aero
GovernmentComms

Thuraya Aero
EnterpriseComms

Thuraya Aero
EnterpriseComms.ISR

Thuraya Aero
MilitaryComms

Product Features

Ideal for ISR, SAR, disaster relief and beyond line of sight operations

Thuraya Aero is particularly suitable for ISR & SAR aircraft and other air platforms. Thuraya's L-band satellite technology is the best choice for airborne platforms flying at medium or low levels because transmission is unaffected by existing weather conditions.

Ideal for business aviation

Thuraya Aero provides affordable VIP/Executive in-flight connectivity. During flight, executives can talk on their own smartphone; send and receive text messages; access email and internet with any mobile device and hold video conferences.

Easy installation

Thuraya Aero offers a simple interface to onboard sensors and equipment. It can be easily installed on any plane. Using the Cobham High Gain Antenna, Supplemental Type Certificate (STC) may only require a delta certification if a swift broadband system STC has been obtained. The whole system has only three compact LRU's making installation simple.

Solid and dependable

The hardware and software components to communicate with the satellite systems of Thuraya are developed in partnership with well-known suppliers for aerospace solutions, namely Cobham, SCOTTY and SRT.

High- speed streaming capabilities

Designed to operate at IP broadband speeds of up to 444kbps in single channel configuration with a dual channel system also available. The Satellite Data Unit is configured for dual channel operation with upgrade via a software key.

Thuraya Aero also comes with a built-in video transmission capability that offers real time video streaming using on board HD camera systems.
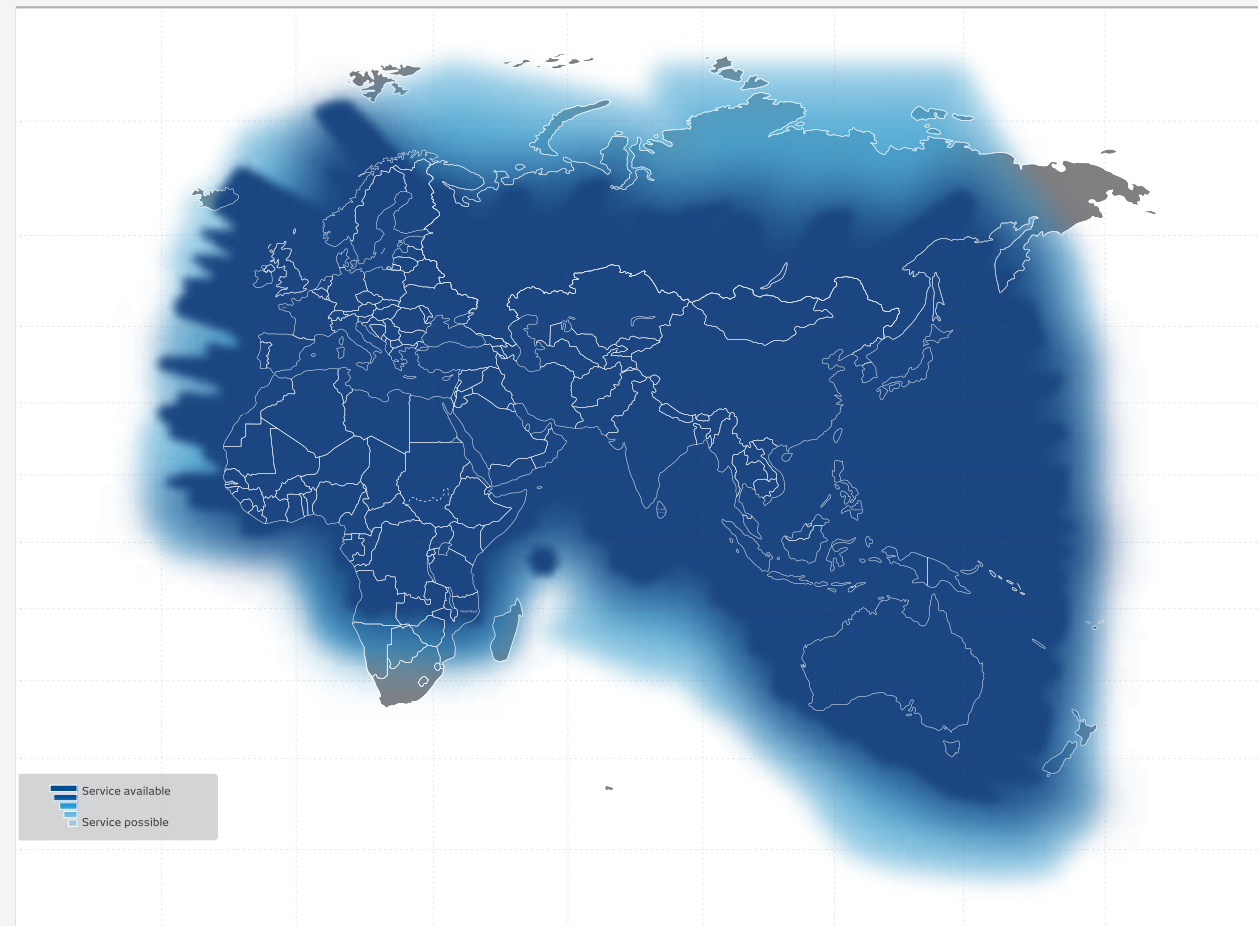
Runs on a reliable network

Thuraya's reliable and uninterrupted satellite network enables users to stay connected via satellite mode anywhere under its coverage area across Europe, Africa, Asia and Australia.

Thuraya's coverage area

Thuraya's reliable and uninterrupted satellite network allows you to stay connected via satellite mode anywhere across its coverage area over Europe, Africa, Asia and Australia. Wherever your mission or business operations take you, Thuraya Aero provides the reassurance of constant, reliable connectivity even in the most challenging environments and remote locations.

Thuraya Aero, connects you everywhere.

Service available

Service possible

Technical specifications

MODEM FUNCTION		
Services	*Circuit Switched Voice, IP Data*	
Streaming	*up to 384kbps / channel*	
Standard	*up to 444kbps / channel*	
SIM card	*Dual SIM (each SIM card is able to do voice and data)*	
Channels	*1 / 2 (activation via license key)*	
Channel bundling	*yes, necessary purchase of license key for an update.*	
SATELLITE DATA UNIT	*TH-SDU-FL*	*TH-SDU-AR*
Width	*194mm*	*58mm (2MCU)*
Height	*60mm*	*194mm*
Length	*326mm(incl. flanges)*	*320/345mm (Incl. handles)*
Weight	*3.5kg*	*3.5kg*
TH-HLD (HIGH POWER / LOW NOISE AMPLIFIER)		
Width	*190mm*	
Length	*150mm (200 mm with connectors)*	
Height	*60mm*	
Weight	*2.4kg*	

TH-HLD   TH-SDU-FL   TH-SDU-AR   TH-DLNA   TH-HPA

Technical specifications

ANTENNA	TH-HGA-6000 (Fixed wing)	TH-HGA-6500(with Mounting Plate) (Rotary wing)
Diameter	256mm	256mm
Height	247mm	258mm
Weight	1.9kg	3.8kg
SYSTEM		
Power	22.0-30.3V DC,	
Power consumption	40-70W without external loads	
Aircraft interfaces	USB, 2x 10/100 BaseT Ethernet, 1x 10/100 BaseT Ethernet (ARINC), SDI (in), SDI (out), 2 X Audio In & 2 x Audio Out, RS-422/RS-232, 2x IRS/AHRS/GNSS (A429),	
Certifications	7.4V, 6Ah, (2S2P)	

TH-HGA-6000

TH-HGA-6500