TT-5000HSD+
Inmarsat Aero-H+/Swift64 aeronautical satcom

Features

- Unique multi-channel solution, integrating the Inmarsat Aero-H+ and Swift64 services
- A total of 4 channels:
  - 2 global voice, fax and PC modem data
  - 1 packet data for cockpit communications
  - 1 High Speed Data
- Extremely small, compact and lightweight
- ISDN for large file transmissions, video conferencing, G4 fax etc.
- Pay only "by the bit" with MPDS - ideally suited for Internet, e-mail etc.
- Connect to airborne LAN
- 3.1 kHz audio (14.4 kbps) for modems, G3 fax, high quality voice etc.
- STU/STU for secure transmissions
- ARINC741 antenna compatibility

Description

Housed in one system, the TT-5000HSD+ combines the global voice, fax and PC modem data capabilities of the Inmarsat Aero-H+ service with the new Inmarsat Swift64 aeronautical High Speed Data service.

The Aero-H+ part provides 3 channels for global voice, fax, PC modem data and cockpit communications.

The Swift64 part provides a fourth channel, dedicated to your high-speed data requirements. The Swift64 channel may operate either using the Integrated Services Digital Network (ISDN @ 64 kbps) or the IP-based Mobile Packet Data Service (MPDS up to 64 kbps).

The built-in Cabin Telephone Unit (CTU) connects up to four "Full Feature" handsets and two direct 2-wire (RJ-11) interfaces for faxes, PC modems, auxiliary phones, headset interface boxes etc.

The Configuration Data Module (CDM) contains all system and user settings for easy replacement of the Satellite Data Unit (SDU).

ARINC741 compatibility ensures the straightforward interfacing to current Aero-H antennas. Naturally the TT-5000HSD+ system itself may easily replace older and heavier systems, thus freeing up space for additional payload or fuel savings.

The TT-5000HSD+ may also be acquired with a specially designed small and lightweight electrically steered High Gain Antenna, TT-5006C.

The TT-5000HSD+ arrives fully prepared for the future CNS/ATM environment.
TT-5035A Satellite Data Unit (SDU)

**Features**
- Seamless integration of Aero-H and Switlfi into one unit
- Low weight and low power consumption
- No forced cooling required
- Installation outside pressure area

**Characteristics**
- **Dimensions**: TT-5035A 001 CDM
- **Mass**: 0.95 lb (430 g)
- **Power consumption**: 15 W linear
- **Environment**: Altitude: MSL to 15,000 ft (A1)
- **Temperature**: -55°C to +70°C
- **Connections**: Rear: ARMG 40A, Front: SUB-D 15 Female, CMU, CPDF, etc.
- **Handset details**: Adjustable ringer, Handset setup, configuration and tuning policy
- **Antenna configuration**: Details on coax cable losses
- **Pin code activation/deactivation**: Private and public phone directories
- **Antenna configuration**: Log-on policy (manual or automatic)
- **Reference table**: MPDS is ideal for e-mail, Internet, inexpensive data transmissions, designed for fast, short-burst and data transmitted - not for the time you are charged only for the amount of data transmitted - not for the time you remain connected. Specifically designed for fast, distributed and inexpensive data transmissions, MPDS is ideal for small Internet, airborne IP server and Virtual Private Networks (VPN) applications.

TT-5014A High Power Amplifier (HPA)

**Features**
- Small size (1 MCDU), low weight and low power consumption
- No forced cooling required

**Characteristics**
- **Dimensions**: TT-5014A
- **Mass**: 3.3 lb (6 kg)
- **Power output**: 160 W linear
- **Temperature**: -55°C to +70°C
- **Environment**: Altitude: MSL to 50,000 ft (A2)
- **Connectors**: DO-160C string:
- **Power consumption**: 75 W linear
- **Environment**: Altitude: MSL to 50,000 ft (A2)
- **Power consumption**: 30 W linear.

TT-5035A-001 Configuration Data Module (CDM)

**Features**
- Located at the rear of the EUI, the Configuration Data Module (CDM) contains detailed information on the system installation including:
- **Interface**: ECU addresses and Switlfi ID
- **Log-in policy (manual or automatic)**
- **Ground Earth Station (GES) preferences table**
- **Details on coax cable losses**
- **Antenna configuration**
- **Handset set up, configuration and tuning policy**
- **Private and public phone directories**
- **Selection of navigational input for antenna steering**
- **FVM code activation/deactivation**
- **Swift64 Mobile MDPS**
- **TT-5620A/TT-5622A**
- **TT-5621B/TT-5622B**

Switlfi Mobile MPDS
The Mobile Packet Data Service (MPDS) offers up to 64 kbps of full TCP/IP connectivity. MPDS charges “per megabit”, which means that you are charged only for the amount of data transmitted - not for the time you remain connected. Specifically designed for fast, distributed and inexpensive data transmissions, MPDS is ideal for small Internet, airborne IP server and Virtual Private Networks (VPN) applications.

Thuraya & Thiande’s Aeronautical Satcom

TT-6200 and TH-6222 are the only true global solutions for aircraft tracking and two-way messaging to and from virtually anywhere in the world.

Aero-M
The TT-3000 Aero-M is a complete, stand-alone single-channel satcom for voice, fax and PC modem data. An extremely compact system, the TT-3000 weighs only 6 kg (13.2 lbs).

Swiftfi Mobile SATCOM
Founded in 1981, Thrane & Thrane is the leading manufacturer of global mobile satellite communication (satcom) based on the Inmarsat system. Thuraya & Thiande provide equipment for land-based (portable and vehicular), maritime and aeronautical use as well as Land Earth Stations (LES).

Thuraya & Thiande A/S
Thuraya & Thrane focus exclusively on professional satcom solutions and are the only company in the world providing terminals in all Inmarsat market segments.

With millions from 30,000 Thuraya & Thrane terminals in operation worldwide, our total market share within the entire Inmarsat market is around 35 percent.

For further information, please visit [www.dit](http://www.dit).