



# Aircraft Interface Device

## Total Support Solution for EFB

Airlines are asking for an alternative solution for the integrated Electronic Flight Bag (EFB) on Boeing 787, Fokker Services Group is developing a flexible solution based on an Aircraft Interface Device (AID). An AID is a system used to securely connect aircraft avionics systems with portable Electronic Flight Bag (EFB) or other onboard systems. It enables the exchange of data such as flight information, maintenance status, or navigation data without compromising avionics integrity. The integration of an AID improves operational efficiency, and provides enhanced situational awareness for the flight crew.

### Your needs

Fokker Services' AID solution provides:

- » Avionics data to portable EFB
- » On-ground cellular connectivity
- » In-flight connectivity
- » Offload / Upload capability on ground

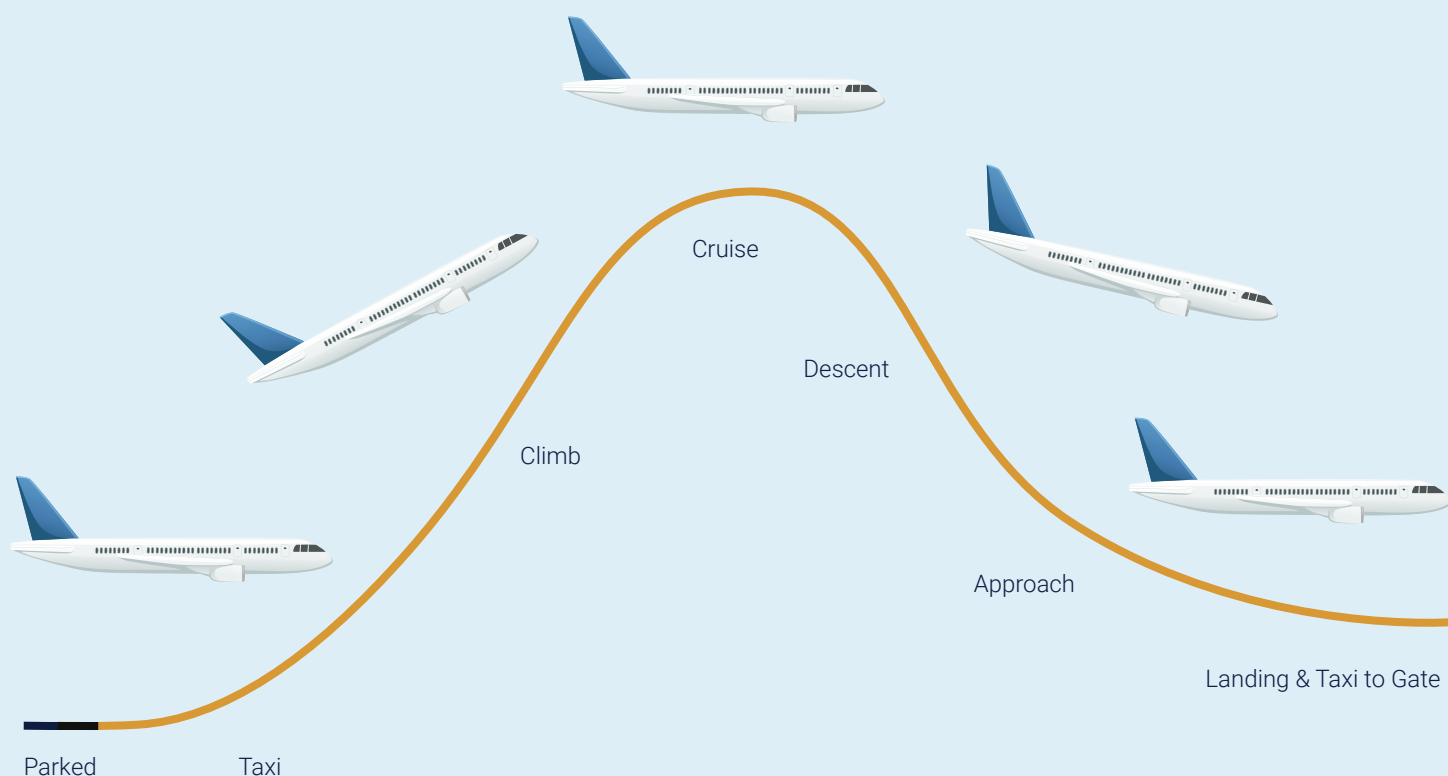
### Product Description

The AID and Wifi /4G/5G LTE antennas will be installed in the aircraft which connect to cockpit Wifi / Satcom and dedicated Arinc 429 databuses in the aircraft. This enables extraction of Arinc 429 data from the aircraft which can be sent to a portable EFB and/or to ground servers for maintenance/operational purposes. Dedicated apps on the portable EFB will translate the Arinc 429 data into real time applications for the flight crew like for example own ship position, weather updates etc. Our solution is flexible in the selection of required parameters and interfaces and has future growth capabilities that can be used to develop and certify new functionalities like two-way FMS communication.

### Your benefits

- » Flexibility in data parameter set
- » Enhanced cybersecurity already built-in
- » Flexible functionalities, tailor made and customizable for specific airline / aircraft needs
- » Full growth capabilities for future requirements
- » Full data ownership





## Parked

- » Pilot enters Flight deck with EFB
- » Automatic connection with AID WiFi signal
- » Data connection with 5G or SATCOM system for Data Stream
- » Retrieve latest weather information
- » Update/optimize Flight plan

## Taxi/Cruise/Approach

- » Automatic fall back from 5G to onboard SATCOM
- » Input Flight data from ARINC429 bus available to EFB via AID
- » Optimization of Flight Plan with flight data and weather forecast via app on EFB
- » Fall back between two SATCOM systems incase of failure

## Landing/Taxi to Gate/Gate

- » Automatic Fall back to 5G when in range (TBD ft) or stay with onboard SATCOM if 5G/LTE is not available
- » Data download (engine parameters/QAR) to Ground service center via iPad (app available)
- » Pilot leaves A/C, disconnects with A/C AID WiFi

## About Fokker Services Group

Fokker Services Group is an independent leader in aerospace services with a global reach. Providing comprehensive solutions from its five facilities in Europe, Asia and the Americas, Fokker Services Group is a key partner for regional, narrow-body and wide-body platforms in the Commercial, VIP, Cargo and Defense markets. The organization offers a unique set of capabilities, products and services: 'Modifications & Engineering Services' for the latest technical solutions; 'Component & Material Services' such as nose-to-tail programs, exchange services, component repairs, parts manufacturing and spares deliveries; 'Airframe Services' for aircraft MRO including lease transitions and painting; and 'Aircraft Completion & Conversion Services' for Executive, VVIP and Special Mission aircraft upgrades. With this broad range of expertise, Fokker Services Group ensures the continued competitive operation of its customers' fleet.



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