

Works with GroundLink®

Teledyne Controls is launching its **Works with GroundLink®** developer program, providing a SDK (Software Developer Kit) that allows third-party software developers to interface their electronic flight bag and/or electronic techlog applications with our GroundLink Comm and GroundLink AID solutions.

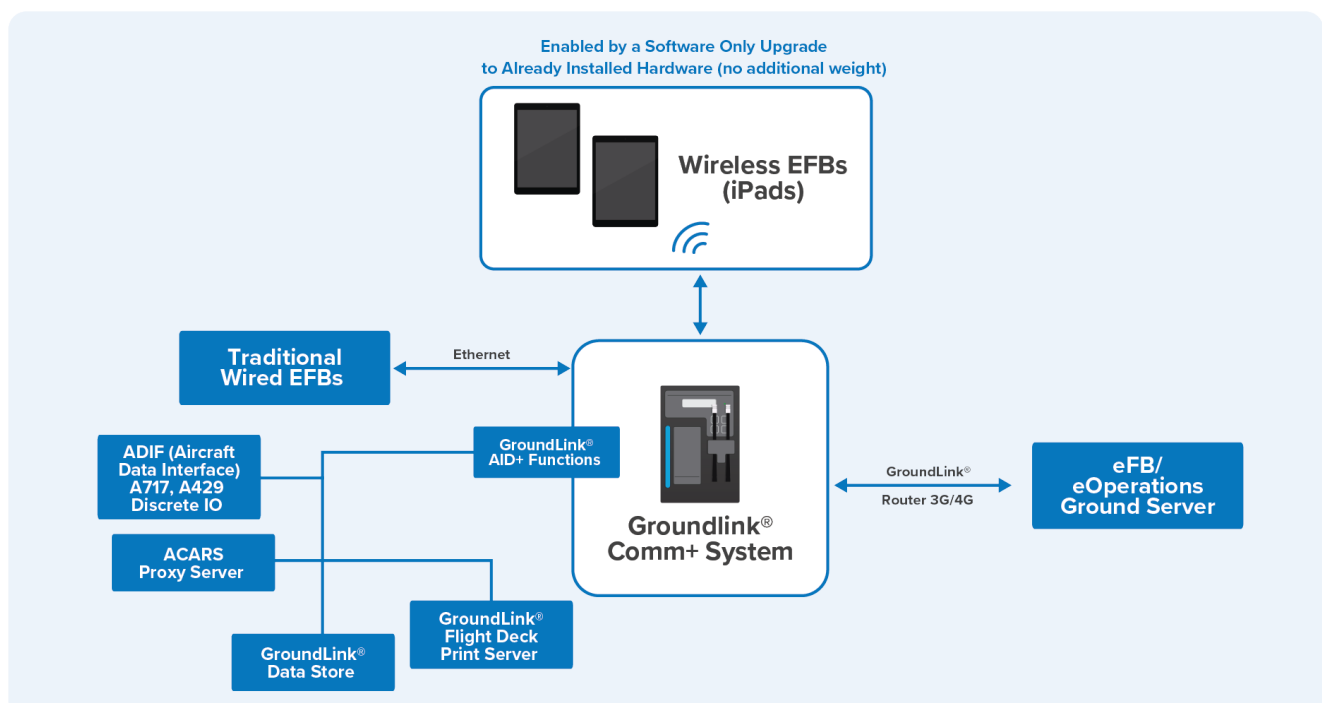
Why Participate in the Works with GroundLink® Program?

With a growing base of over 5,000 GroundLink units in the field today, available for line and retrofit installations on most commercial airframe types, the GroundLink Comm system has the largest installed AID base in the present market. Having AID enabled applications compatible with the GroundLink Comm software will give your software products a significant market advantage.

GroundLink® AID+ Solution Overview

Wireless Aircraft Interface Device & Internet Connectivity for WiFi Tablet EFBs

Teledyne Controls provides a complete solution for enhancing EFB systems' functionality by adding offboard communication, access to aircraft parameters, and data management capability via the new GroundLink AID system. This system provides WiFi enabled Mobile Computing Device-based EFB systems through a wireless network. It permits wireless tablet-based EFBs (such as iPads) and/or traditional Ethernet connected Class 1/2 EFBs to be integrated with the aircraft, regardless of EFB form factor, operating systems or whether they connect with the aircraft as a wired or wireless EFB system.



The GroundLink AID+ function adds the following essential EFB support services to the GroundLink Comm+ unit:

- **Aircraft Parameter Service:** Access to aircraft parameters A717, A429 and discrete IO provided as engineering units via IP port based API.
- **On-Aircraft DataStore:** Shared persistent data storage for EFB applications.
- **Wireless Router:** Off-Aircraft Communication via 3G/4G cellular router, rule based routing to third-party IP SATCOM solutions.
- **Full Cross-Talk Between Devices:** On-Aircraft secure IP VLAN network switching allows data interchange amongst connected EFB, CFB and ETL devices
- **ACARS Proxy Service** to interface EFB with ACARS
- **Flight Deck Printing** from EFB applications

Enabled by A SOFTWARE ONLY UPGRADE to Already Installed Hardware (no additional weight)

The GroundLink AID function, is an add-on to the GroundLink Comm system, extend the airline's investments already made in the GroundLink Comm provisions and hardware for applications such as automated wireless Flight Data (GroundLink Flight Data) download and/or automated wireless Software and Data distribution to the aircraft, (GroundLink Dataloading).

SDK Software Developer Tool Kit

It is easy to register and gain access to the **Works with GroundLink** developer program. Simply go online at www.teledynecontrols.com, and click the Register for Works with GroundLink program button. Registration and SDK are free, and you can obtain an access login to download the following:

- GroundLink AID+ Software API Documentation - PDF
- GroundLink AID+ API Software Developer's Guide (includes working API code samples for IOS, Windows, Android) - PDF
- **Works with GroundLink** marketing logo - JPEG, PNG, EPS
- GroundLink AID+ System Simulator (distributed as a virtual machine package) - Executable
 - This virtual machine based simulator will enable access to all of the GroundLink AID+ functions, and allow you to fully test your application. It also includes hours of sample A717 and A429 flight data.
 - ACARS Proxy bi-direction simulator as well as A429 flight deck printer simulator
 - Full GroundLink AID+ simulator specification
- Third-party **Works with GroundLink** software developer support from Teledyne Controls support services
- Joint product marketing request form. This form is used to request your product and corporate logo listing on the Teledyne GroundLink AID+ website and brochure sales documentation.

For more details, contact Teledyne Controls.