

Flight Data at Your Finger Tips

A powerful new generation of iPad® and Windows based applications is transforming how pilots access and view data to enhance situational awareness. With DAC International's new GDC64 and GDC68 Aircraft Interface Devices which connect iOS and Windows-based tablets to the aircraft for charging and data connectivity, these exciting new insights are just a click away. Plus it's easy to install and gives pilots access, through their tablets to a variety of specialized applications and other real-time flight and navigation tools.

GDC 64 Features

- Provides power and navigation information to iPad for charts
- Provides stable, in-flight ergonomic access to vital information
- Four ARINC 429 ports, 8 discrete inputs
- SDK available for applications
- PMA product and Apple approved

GDC 68 Features

- Provides power and navigation information to Windows tablet for charts
- Multiple connection interfaces including Ethernet, USB 3.0, Legacy USB and Serial
- Four ARINC 429 ports, 8 discrete inputs
- SDK available for applications
- TSO pending



*Apple computers, computer software, computer peripherals, etc.
iPad is a registered trademark of Apple Inc.
iPad mobile digital device*

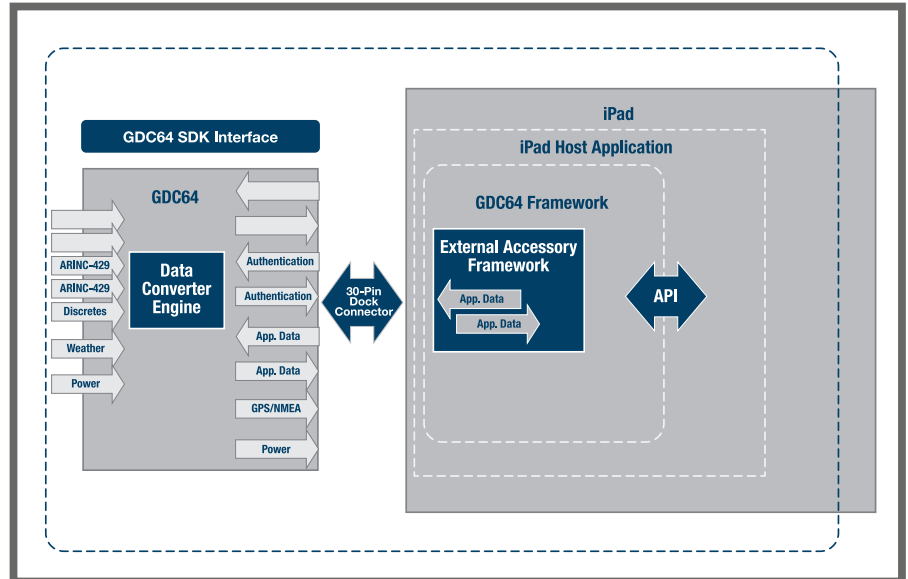
Typical features of GDC64:

- Aircraft position data
- Hard wired instead of Wi-Fi
- Part 25 approved
- Safe battery charging for iPad

The GDC64 power supply is designed to provide the necessary protection for the lithium-ion battery in a Class 2 tablet. The ARINC 429 inputs isolate the tablet from the critical aircraft data systems while making this useful data available to software applications running on the iPad.

Operational aspects

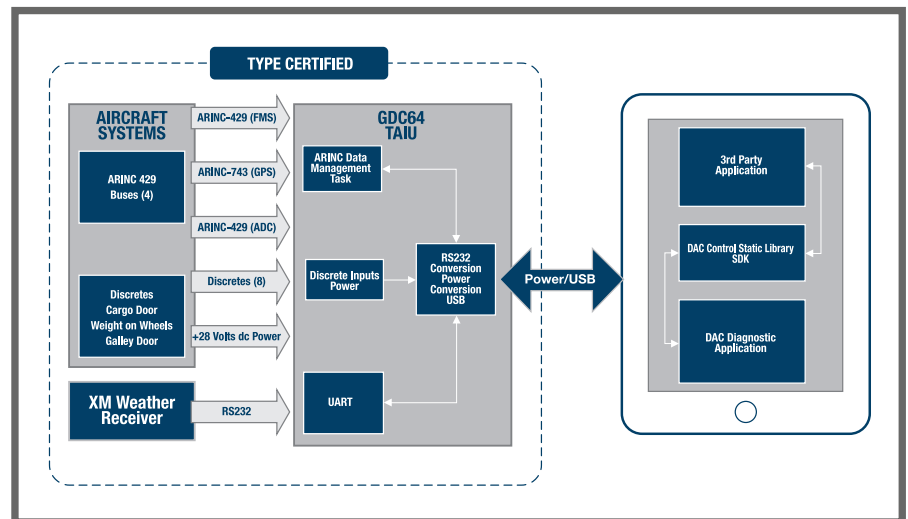
- All GDC64's will require a maintenance action for initial setup at initial installation or after part replacement. After that, no pilot action is required.
- Accepts a variety of inputs
 - Four ARINC 429 inputs from different sources.
 - Eight discrete inputs from different sources.
 - Serial data from WX receiver or other RS-232 source
(app required - GDC-64WX Weather App available on iTunes store).
- Aircraft power keeps iPad fully charged per Approved Apple charging policy.



GDC64 System Level Diagram

Software Development Kit

A software development kit (SDK) is available for those interested in developing custom software to interface between the GDC64 hardware and an iPad. The GDC64 SDK is a software framework providing an application programming interface. The SDK controls all interaction between an iPad host application and the GDC64 which includes real time label setup, parsing, filtering, and discrete input. The framework consists of a static library as a compiled binary that will allow seamless integration with an iPad host application allowing complete control of the GDC64 via the framework's API.



Example GDC64 Aircraft Installation

Apple MFi licensee

DAC International is an approved MFi licensee with all the necessary software licenses in place which allows the installation of custom Apple IC chips in the GDC64. These custom Apple ICs provide the GDC64 an authorized means of accessing the iPad's wired USB ports.

Included with the GDC64:

GDC64 unit, LRU to Bulkhead Installation Kit and Bulkhead to iPad Installation Kit *(all items priced separately).*