

DAC Engineered Converters Solve Integration Problems

DAC has been serving the avionics needs of the aviation market for more than 30 years. We have the experience and the solutions to meet your needs. In 2001, we launched into avionics design and manufacturing. Since then, we have successfully fielded more than 60 different product solutions for a wide array of aircraft ranging from military and air transport jets to corporate and general aviation. Some of these products are simple data converters, others are complex solutions to meet today's challenging integration needs. Prominent among these solutions are a series of Airborne Data Link Processor units that consolidate parameters, and gather data from a broad range of aircraft sources for use by Mode-S transponders.

Turn this



INCOMPATIBLE FORMAT
XOXOXOX00512X
2134XOXOX4



Into this



INCOMPATIBLE
FORMAT
XOXOXOX00512X
2134XOXOX4



CONVERTED /
TRANSLATED DATA

HDG = 75°
DIST = 192.3 NM
TIME = 21:22
XTK = 0.2 NM
ALT = 10,000 FT.



Don't let your integration challenges slow you down. DAC International's Engineering and Certification Division is ready to assist with your system integration and certification needs. Call us today or visit our website at www.dacint.com for more information on DAC products.

DIGITAL to DIGITAL | ANALOG to DIGITAL | ANALOG to ANALOG

Some Of Our ECD Custom Designs Include:

LATEST ADDITION

GDC75 ARINC 429 BUS READER

This GDC75 is an inexpensive solution to check 429 bus data when wired to iPad. Portable and lightweight unit for use in aircraft environment.

PMA - GDC62 RADIO ALTIMETER INTERFACE UNIT

The Model GDC62 RAIU produces ARINC 429 label 164 from a direct current (dc) input voltage supplied from any one of these Radio Altimeter models: KRA10, KRA405/b, ALT50, ALT55, ARINC 552 or RT200.

TSO - GFD11 COCKPIT CONTROL UNIT, 28V BLACK WITH D CONNECTOR

The GFD11 allows for cockpit control of the compass functions of the Litef Attitude Heading Reference System.

PMA - GDC23 ARINC 575 TO ARINC 429 CONVERTER

The GDC23 converts ARINC 575 data from a Digital Air Data Computer into ARINC 429 format.

PMA - GDC25 USML LISTED ARINC COMBINER

The GDC25 Data Combiner retransmits all labels received from a GPS sensor except labels 162, 163, 343, 344, 346, 347 and 371. Labels 140, 141 and 377 are generated by the GDC25 and label 133 is derived from incoming data, formatted in a proprietary ARINC 429 format, then transmitted along with the received GPS data to an Inertial Navigation System.

PMA - GAC27 BARO CONVERTER COMPUTER (DC RATIO ONLY)

The GAC27 Baro Converter Computer (BCC) accepts inputs of pressure altitude from existing aircraft systems and a barometric offset entered by the pilot through the Display Control Unit. The GAC27 then produces barometrically corrected altitude output in both ARINC 575 and ARINC 429 digital formats. Optionally, the BCC will accept a barometric offset from any altimeter with a Baro-Offset synchro repeater.

PMA - GDC31 ROLL STEERING CONVERTER, ARINC 429 RX

The GDC31 Roll Steering Converter receives ARINC 429, RS232 or RS422 serial data from a GPS Navigation System to produce an analog Roll Sum Steering (RSS) signal to drive the heading channel of the aircraft's existing autopilot.

GDC34 ARINC 429 TO RS232 CONVERTER

The GDC34 ARINC 429 to RS232 Converter interfaces an ARINC 429 output from a Flight Management System or other GPS based Navigation System into RS232 format for use by an Electronic Flight Bag (EFB) with an in-flight weather system application.

PMA - ADLP-1 USML LISTED AIRBORNE DATA LINK PROCESSOR

The ADLP compiles airborne data from multiple input sources and communicates this data to the APX-119 digital transponder in both ARINC 718A and ARINC 706 format. The ADLP integrates with the digital transponder to enable the U.S. Air Force KC-10 aircraft fleet to comply with European Enhanced Mode S requirements.

ADLP-2 USML LISTED AIRBORNE DATA LINK PROCESSOR

The ADLP-2 compiles airborne data from multiple input sources and communicates this data to the Mode-S transponder in both ARINC 718A and ARINC 706 format for compliance with European Enhanced Mode S requirements.

AARC USML LISTED AHRS ARINC 429 TO ANALOG PITCH ROLL AND YAW

The AARC accepts AHRS data via an ARINC-429 input and provides three-axis rates outputs in analog format.

GDC45 FLIGHT DIRECTOR SIGNAL CONVERTER

The GDC45 Data Converter provides the analog interface between a Sperry HZ-4 Flight Director and a Universal EFI-600 ADI. The converter receives lateral deviation and vertical deviation from the Flight Director and converts these signals to levels compatible with the EFI-600 ADI.

PMA - GDC54 USML LISTED ARINC ALTITUDE ALERTER INTERFACE

The GDC54 system converts the selected altitude from an IS&S 9D-80310-2 to an ARINC 429 label as defined in the equipment specification. The ARINC signal is provided as an output to be used by the Mode-S transponder of an aircraft.

PMA - GDC59 ARINC 429 CONVERTER

The Model GDC59 Converter provides on-ground-only position initialization to a Litef LCR-100 Attitude Heading Reference System (AHRS) using data supplied by an ARINC 429 capable GPS receiver.