

# DIGITAL and ANALOG DATA ACQUISITION SYSTEM

## GENERAL DESCRIPTION

TUALADA is an ultra compact, light weight airborne data acquisition system suitable for monitoring, development, service and certification testing applications. Ultra compact size and power efficient structure let the system be used in platforms with various sizes. Unit is suitable with IRIG 106 and also it has flexible software to be adapted for different applications.



Digital and Analog DAQ

## KEY SPECIFICATIONS

Compact  
Power Efficient  
IRIG-106 Compatible  
FEC Option  
AES 256 Option

## TECHNICAL SPECIFICATIONS

<b>Data Rate</b>	Up to 20 Mbps
<b>Encoding</b>	PCM
<b>Digital Inputs</b>	Ethernet, RS 485, TTL 4 PT 100/TC
<b>Analog Inputs</b>	9 IPC 1 Pressure 4 ADC
<b>Data Encryption (Optional)</b>	AES 256
<b>FEC</b>	Reed Solomon (RS) and Convolutional, LDPC
<b>Power Consumption</b>	< 400 mA @ 28 V
<b>Operating Temperature</b>	-40 °C to +85 °C
<b>Dimensions (cm)</b>	9.2 x 8.5 x 2.4
<b>Weight</b>	92 g