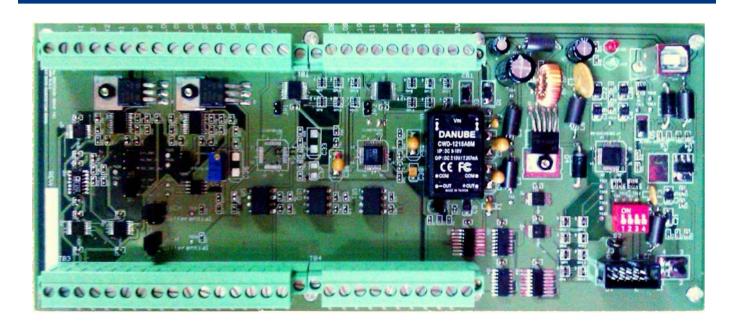
## USB 16 Bit Data Acquisition Board

# DATASHEET



### **USB 16 Bit Data Acquisition Board**

#### **Product Code:**

AUSB16ADDA USB 16 Bit Data Acquisition Board

Bus: USB 2.0 / RS-232/422/485

#### Description:

1 digital input/digital output channels and the resolution is 16 bits.

16 A/D channels and the resolution is 16 bits.

A/D input voltage range: 0 TO +5 V (10 V p-p), 0 TO +10 V (20 V p-p) for unipolar, -5 V TO +5V (20 V p-p), -10 V TO +10V (40 V p-p) for bipolar.

2 D/A channels and the resolution is 16 bits.

D/A Current output ranges: 4 mA to 20 mA, 0 mA to 20 mA, 0 mA to 24 mA ±0.01 % FSR typical total unadjusted error (TUE) ±3 ppm/°C

D/A Voltage output ranges: 0 V to 5 V, 0 V to 10 V, ±5 V, ±10 V 10% overrange ±0.01 % FSR typical total unadjusted error (TUE) ±2 ppm/°C output drift

2500V isolation voltage.

#### Connection:

Easily exchangeable connections and easily replaceable terminal blocks.

Features: For direct DIN-Rail mounting Also as board without DIN Rail adapter available

High Speed 8051 µC Core USB 2.0 Function Controller Support USB ID 0~14 SET Support RS-232/422/485 Communicate PPOWER from External DC+12V 1.5A (≥ 1.5A)





#### Software/Driver:

Support Windows XP/Vista/7/8, Windows server 2003/2008/2012; CDC/ACM virtual com port and the sample for programming.

#### Package includes the following items:

USB 16 Data Acquisition Board USB cable Software and Manual CD

Operating temperature range: Relative humidity rage: Size: 250

e: from 0 to 55°C.. from 0 to 90%. 250 mm x 120 mm x 55 mm

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