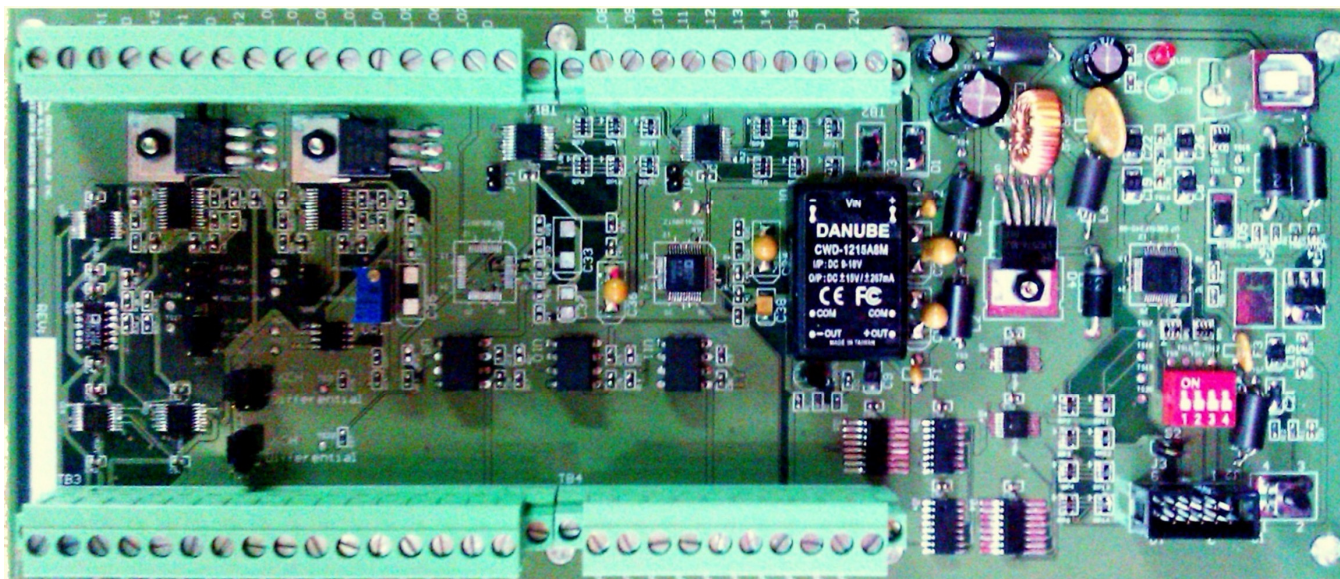


# USB 16 Bit Data Acquisition Board

# 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:

Easy exchange by interchangeable screw-terminals

### Features:

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

High Speed 8051  $\mu$ C Core  
USB 2.0 Function Controller  
Support USB ID 0~14 SET  
Support RS-232/422/485 Communicate  
POWER from External DC+12V 1.5A

### Software/Driver:

Windows-XP Vista will use CDC/ACM virtual com port and sample for programming.

### Package includes the following items:

USB 16 Data Acquisition Board  
USB cable  
Software and Manual CD

**Operating temperature range:**                      from 0 to 33C.

**Relative humidity range:**                              from 0 to 90%.

**Size:**    250 mm x 120 mm x 55 mm



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