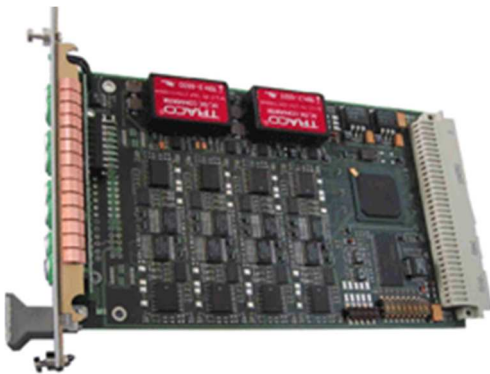


## INFORMATION of ADwin-Pro II

### Interface for analog Signals

The analog input and output modules for **ADwin-Pro II** are the interfaces to your measurement devices, analog transmitters, amplifiers and actuators. They are ideally suited for the solution of fast and time-critical real-time tasks. The processor module per-**CPU T11** reaches up to the **ADwin-Pro II** bus with up to 200 MB / s on the modules.



### Analog Input Modul

- Inputs with Multiplexer
  - 8 / 16 channels differentially or 32 channels single-ended
  - ADC-Resolution 18 Bit,
  - Conversion Time 2  $\mu$ s
  - Measuring Range  $\pm 10$ V, optional  $\pm 30$ V
  - Multiplexer-settling  $\mu$ s
  - optional with Low-Pass: Butterworth-Filter 4. Order with 5kHz, 10kHz or 50kHz
  - optional with *TiCo*
- Analog Inputs for simultaneous detection
  - one ADC for each channel for synchronous data acquisition
  - 4 or 8 differential channels
  - Resolution 14 , 16 or 18 Bit
    - 14 bit: Conversion Time 0.02  $\mu$ s
    - 16 bit: Conversion Time 0.25  $\mu$ s
    - 18 bit: Conversion Time 2.0  $\mu$ s
  - Measuring Range  $\pm 10$ V, optional  $\pm 30$ V
  - 256 MB Memory on Each Modul
  - Edge detection for comparator applications
  - optional with Low-Pass: Butterworth-Filter 4. Order with 10kHz or 50kHz
  - 16 Bit-Modul: Optional averaging of a defined number of measured values.

## Analog Outputs

The analog output modules allow a synchronous data output to 4 or 8 channels timing considerations. The DAC has a resolution of 16 bits and offer a wide range.

- **Pro II AOut-4/16, Pro II AOut-8/16**
  - 4 or 8 channels
  - 16 Bit Resolution
  - Voltage Range  $\pm 10V$
  - Settling 3  $\mu s$
  - Data output up to 10 times faster than Pro I modules



- **Pro II AOut-1/16**
  - 1 Analog Output
  - 16 Bit Resolution
  - Voltage Range  $\pm 2V$  on  $50\Omega$
  - Output Frequency 50 MHz
  - Settling 15 ns
  - Ramp Interpolation
  - 32 TTL I/Os, parallel can be used for analog output
  - with **TiCo**

## Custom I/O Module

Do you have special requirements? Get introduced to adjust the analog measurement cards for your specific application, such as an integrated comparator function or a data filter.