

PBus

Interface boards



The PBus provides the base for a product line of inexpensive and flexible interface boards. A system of 100x160mm euroboards featuring industrial I/O as well as communication and operating interfaces allows the modular configuration of computer systems for all tasks of measurement and control. Studies of feasibility, prototyping and even limited production lots can be done easily. The flexibility of a pluggable card system allows to research and design new software in parallel with the development of customized hardware based on proven designs. Transforming proven designs into cost-effective production systems lowers the risks of development and leads to a shorter time to market.

The PBus uses an 8 bit data- and an 8-bit address bus, 3 IRQ's and control signals. The asynchronous bus access eases the integration of slow peripherals. Reference designs are available.

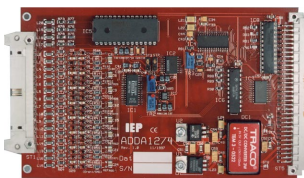
PBus

Technology



Industrial I/O

Analog I/O

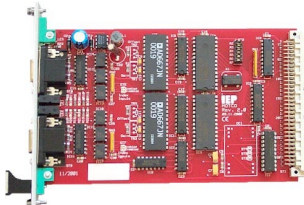


ADDA12/4

The **ADDA** is a combined input/output card for analog process signals. Careful design, anti-alias filters and rugged input and output protection are ensuring the quality of the data acquisition and the reliability of the **ADDA**, even in the rough everyday work.

- 4 independent voltage outputs ± 10 V; 12 bit resolution
- 8 differential or 16 single ended analog input ranges: ± 10 V or ± 20 mA, resolution 12 Bit, optionally 16 Bit
- channel-selective programmable sensitivity 1/10/100
- Conversion time: approx. 25 μ s

Motorcontroller

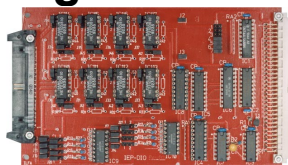


MOTCO

The **Motco** provides two independent channels for servo drive control. Both control of speed as well as control of position are supported.

- PID control, cycle time 341 μ s, operates local on board
- all inputs galvanically isolated
- single 5 V power supply possible
- incremental encoder inputs A+B+Index, 32 bit position counter
- analog outputs ± 10 V with 12 bit resolution

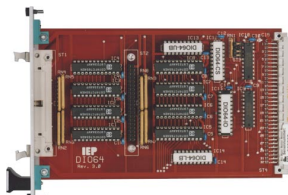
Digital I/O



DIO

The **DIO** is a versatile digital I/O board with 8 digital in- and 8 digital outputs. Each input and output can be configured individually and independently.

- Inputs are opto isolated individually.
- Output configuration field selectable, either optocouplers or Reed-relays SPST nc, SPST no or SPDT
- High-side or Low-side switching selectable by jumper
- output level well defined after power on / Reset

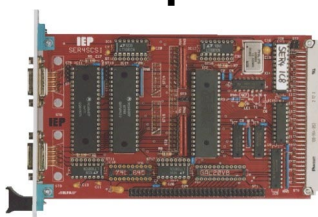


DIO64

The **DIO64** is a flexible I/O card with 64 digital ports, which can be configured by software in groups of 8 as input or output.

- output state can be read by software
- 24 mA output current for direct drive of Reed-relay
- TTL compatible

Serial ports



SER8

The **SER8** adds upto 8 asynchronous serial interfaces as well as one SCSI interface to a PBus based system.

- 8 x RS-232 interfaces, 50 to 38400 Baud
- Hardwarehandshake RTS/CTS
- Converter available for RS-422, RS-485 and 20 mA current loop