

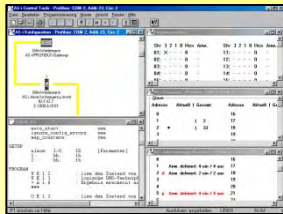
- Founded: April 1992
- Place of business: Mannheim





- **Development and Production of AS-Interface Products**
- **Client specific Developments for Fieldbus Communication**

The AS-Interface Masters



AS-i Masters



**AS-i
Power Supplies**



**AS-i
Analog Modules**

**Accessories,
Diagnosis
Tools**



AS-i Safety



**Integrated
Slaves**



**OEM
Modules**

**Digital
I/O
Modules**

Master/Gateways/Links/Scanner (I)



AS-i Gateways:

- ➔ PROFIBUS
 - ➔ Ethernet:
 - Modbus over Ethernet
 - Ethernet IP
 - PROFINET
 - Ethercat
 - Powerlink
 - ➔ DeviceNet
 - ➔ CANopen, CANrho
 - ➔ Modbus and Modbus Plus
 - ➔ CC-Link
 - ➔ InterBus
- with mini-PLC “AS-i Control”



Stainless Steel



Graphical display

Classical

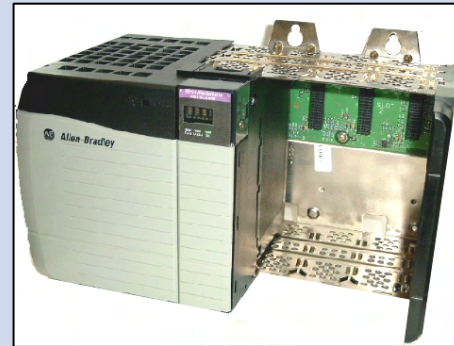
IP65

Master/Gateways/Links/Scanner (II)



AS-Interface Scanner for Allen- Bradley:

→ ControlLogix



→ CompactLogix/
MicroLogix 150

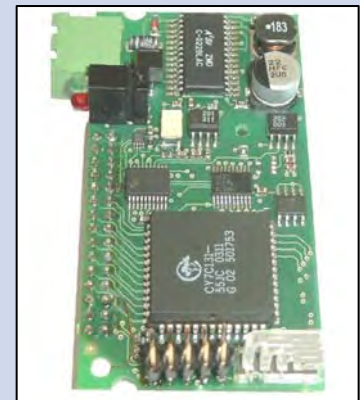
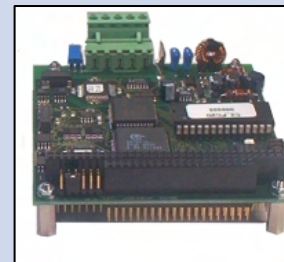
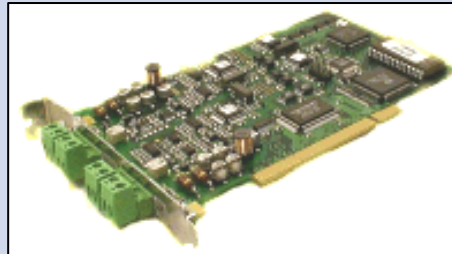


AS-i-Master for PC based Automation



AS-Interface Master Boards:

- PCI-Bus
(2 AS-i Masters)
- ISA-Bus
- PC/104
- M-Module
- Master OEM Module



Mini-PLC “AS-i Control” on board



AS-Interface-Analog Modules



➔ Inputs 2-4 channels

- 4-20 mA
- 0-10 V
- 4 Pt 100



➔ Outputs 2-4 channels

- 0-20 mA
- 0-10 V

➔ Special Modules

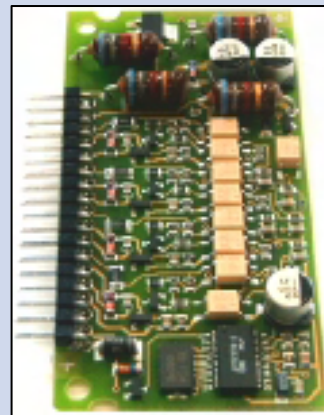
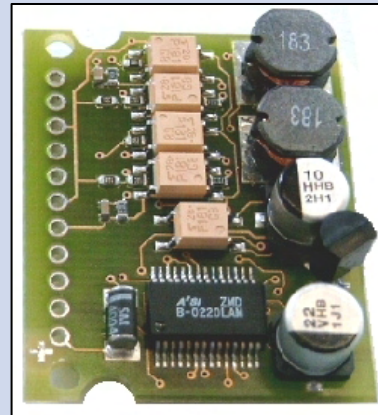
- AS-i Counter Module
- Modules for Temperature Sensors
- AS-i-Balance Controller
- Pt100 + 2 Relay Outputs



AS-Interface OEM Modules



- ➔ AS-i 2I/2O-AB-Module
- ➔ AS-i 4I/3O-AB-Module
- ➔ AS-i 4I/4O-Module
- ➔ AS-i 4I/4O-Module with LEDs
- ➔ AS-i 4I/4O-Module with galvanic separation
- ➔ AS-i 6O-AB-Module
- ➔ AS-i 8I-Module
- ➔ AS-i 16I/11O Special Slave
- ➔ AS-i 8I/8O Special Slave



AS-Interface Analyzer Innovations Step 2

Use of the AS-i Analyzer:

- ➔ when searching for errors
- ➔ to provide a protocol containing the network and its quality
- ➔ for detailed network diagnosis
- ➔ to analyze your application, e.g. Safety at Work networks



AS-i Interface Repeater



Advantages of the AS-i Repeater's use:

- ➔ Network extension up to 300m
- ➔ Editing of disturbed signals
- ➔ Galvanic isolation of the segments
- ➔ Separation into network segments with a load capacity of 8A each



AS-i Tuner



- Trebled AS-i network length from 100 up to 300 m per AS-i segment
- Up to 900 m per AS-i network in combination with additional repeaters
- No additional power supply required



AS-i Safety At Work



AS-i Safety Monitor

- On site Diagnosis
- 2 or 4 release circuits
- Up to 16 release circuits in one program



AS-i Safety Slaves

- Connection of 2 safe switching contacts
- Applications up to category 4/SIL 3 possible



Client specific developments (I)



Switching-on units for Safety buses of any kind, e. g.:

- PROFIsafe
- AS-i Safety
- CIP Safety

Switching-on units for field buses of any kind, e. g.:

- Ethernet: PROFINET, Modbus via Ethernet, Ethernet IP, Powerlink
- PROFIBUS
- CAN
- DeviceNet
- ControlNet
- AS-Interface
- CC-Link
- Modbus, Modbus Plus
- InterBus

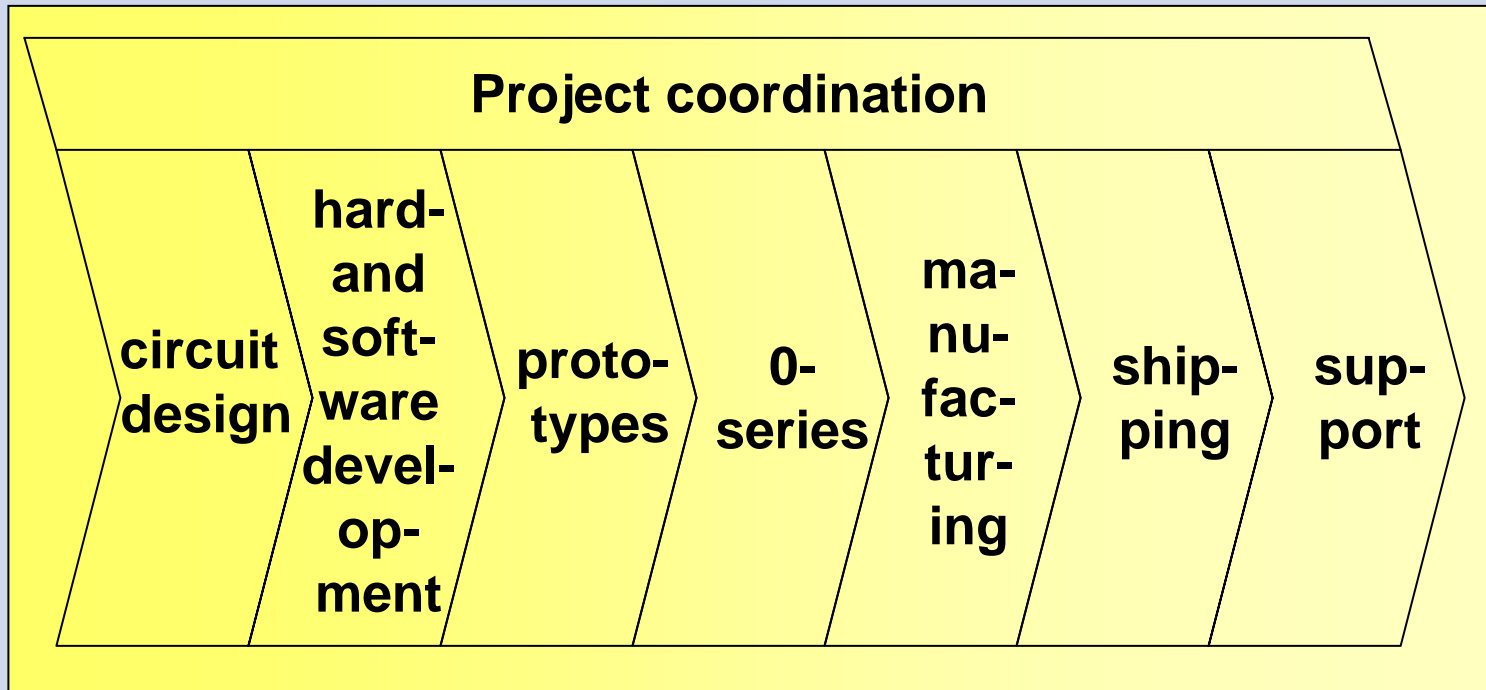
Client specific developments (II)



Offered services:

- e.g. Master and Slave developments
- Gateways between fieldbus systems
- I/O-modules
- Interfaces to customer devices

Client specific developments (III)





We are there for you.

➔ **Tel.: +49-(0)621-3 99 6-0**

➔ **www.bihl-wiedemann.com**

➔ **mail@bihl-wiedemann.com**