

AS-i Master Board for PCs

2 AS-i Masters on 1 board

Programming,
developing and
tests of AS-i Slaves



Article no. BW1355

The A²SI/SAP4 Programming- and Testtool realizes the functionality of two complete AS-i Masters on a PCI Board.

The A²SI/SAP4 Programming- and Testtool can be operated in 3 different modes:

1. As a standard AS-i Master according to specification 2.1
2. As a tool for programming of the AS-i Slave ICs SAP4 und A²SI. This can be done with the help of simple Windows programs.

Alternatively it is possible to program directly out of the application via DLL drivers (seperate Art. no. BW1355).

3. As a means to perform function and EMC tests which are necessary for every development of an AS-i slave (EMC test mode).

The address of the AS-i PCI Board does not have to be adjusted. The AS-i PCI Board works with "Plug and Play". Up to 4 AS-i PCI Masters can be used simultaneously in one PC. The AS-i PCI Board serves the requirements of industrial use.

Technical data	
Type	PCI Board
Interface	16-bit PCI Bus interface, galvanic separation from AS-i AS-i circuit 1 AS-i circuit 2
Program memory (EEPROM)	4 KB
Operating voltage	5 V DC and AS-i voltage
Operating current	Approx. 200 mA out of power supply Approx. 70 mA out of AS-i per AS-i circuit
Voltage of insulation	≥ 500 V
EMC directions	EN 50082, EN 50081
Ambient operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +70°C
AS-i cyle time per AS-i circuit	150 µs*(Number of slaves + 1)
AS-i Specification	2.1

Requirements:

IBM compatible PC 80486 or higher
Plug and Play Bios

Accessories:

AS-i Control Tools (Windows) (Art. no. 1203)

DLL drivers for Win 95/98
Win NT 4.0
Win 2000

OPC Server

In the delivery volume the Windows programs for the programming of the A²SI and the SAP4 as well as the AS-i EMC-Test Master are contained. A DLL-driver for the programming of the A²SI- and SAP4-ASIC can be ordered seperately on request (Art. no. 1355).

Connections

