AS-i 2.1 PCI Board

Bihl +Wiedemann

Automatisierungstechnik

2 AS-i Master on 1 Board

AS-i Master Board
for AT-PCs with PCI Slots

CE

Article no. BW1195: AS-i 2.1 Double Master without AS-i 7.4 analog profile

The AS-i PCI Board realizes the functionality of two complete AS-i Masters on a PCI Board.

Advanced AS-i diagnostic function for the localization of occasionally occurring configuration errors as well as for the qualitative diagnosis of the AS-i communication are also implemented.

For normal operation there is no need for an PC interrupt, but the AS-i PCI Board is capable to generate interrupts cyclically with every AS-i cycle or leaded by configuration errors or changes in input data.

The DPRAM interface provides an easy integration of the AS-i PCI Board in any operating system (special drivers). 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.

Article no.	BW1195
Type	PCI Board
Interface	32 bit PCI Bus interface, 5 V galvanic isolation to AS-i AS-i circuit 1, AS-i circuit 2
Serial interface	–
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 61000-6-2, EN 61000-6-4
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 + 2)
AS-i specification	2.1
AS-i master profile	M3
Requirements	IBM compatible PC 80486, PCI
Connections	

Accessories:
- AS-i Control Tools (Windows) (art. no. BW1602)
- AS-i power supply 4 A (art. no. BW1649)
- AS-i power supply decoupling unit for 2 AS-i circuits (art. no. BWU1943)
- DLL drivers for Win 2000 and Win XP; Linux driver
- OPC Server