

AS-i 3.0 Master PCI Board / AS-i 3.0 Master Compact PCI Board

2 AS-i Master on 1 board

**AS-i Master Board (BW1922, BW2087)
for AT-PCs with PCI slots**

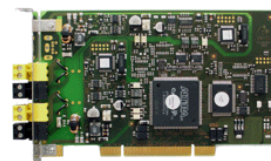
**AS-i 3.0 Master Board (BW1911)
for AT-PCs with Compact PCI slots**

Advanced AS-i diagnostics (BW1922):

- duplicate address' recognition
- AS-i earth fault detector integrated
- AS-i noise detector integrated
- RS 232 diagnostic interface



BW1922



BW2087



BW1911



Art. No. BW1922: AS-i 3.0 Double Master with advanced diagnostics

Art. No. BW2087: AS-i 3.0 Double Master without RS 232 interface, without duplicate address' recognition

Art. No. BW1911: AS-i 3.0 Compact PCI Double Master

The AS-i Master PCI Board realizes the functionality of two complete AS-i Masters on a PCI Board. In addition to that an implemented AS-i control unit performs as a PLC to preprocess the AS-i data on the board (BW1922). Another additional function is the integrated watchdog function.

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.	BW1922	BW2087	BW1911
Type	PCI Board		Compact PCI Board
Duplicate address' recognition	yes	-	
AS-i earth fault detector integrated	yes		-
AS-i noise detector integrated	yes		-
RS 232 diagnostic interface	yes	-	
Interface	32 bit PCI Bus interface, 3,3 V/5 V galvanic isolation to AS-i AS-i circuit 1, AS-i circuit 2		
Serial interface	RS 232	-	
Program memory (EEPROM)	16 KB	-	
Operating voltage	3,3 V/5 V DC and AS-i voltage		
Operating current	approx. 300 mA out of 5 V power supply approx. 100 mA out of 3,3 V power supply approx. 70 mA out of AS-i per AS-i circuit		
Voltage of insulation	≥ 500 V		
EMC directions	EN 61 000-6-2, EN 61 000-6-4		
Ambient operating temperature	0°C ... +55°C		
Storage temperature	-25°C ... +70°C		
AS-i cycle time per AS-i circuit	150 μs*(number of slaves + 2)		
AS-i specification	3.0		
AS-i master profile	M4		
Requirements	IBM compatible PC 80 486, PCI		
Connections			

Accessories:

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