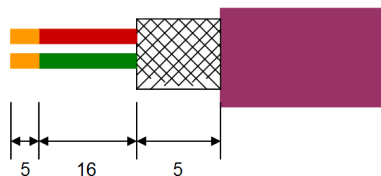# Profibusconnector – CheapConn

- to connect a Profibus client or a Profibus netcomponent to the bus-line for Profibus
- transfer rate up to 12MBd
- cable connection via compression fitting technique
- one – screw – mounting - system
- inside shielded housing
- integrated connectible load-resistor (external accessible)
- integrated PD / diagnostic-plug
- 90° cable outlet
- different cable diameter useable
- 1:1 connection with all pins of the Profibusconnector to the PD / diagnostic plug

Cable connection:

Incoming line: marked on the module: screw-type terminal **A** and **B**
Outgoing line: marked on the module: screw-type terminal **A´** and **B´**

Depending on the thickness of the cable there have to inserted a filler at the back of the housing to reach the optimal cable clamping.
Attention: The shield of the cable doesn't get contact with the electronics. The best you can do, turn the shield to the back.

Termination:

For the first and the last member at the bus connection, the switch for the termination **has** to be set to ON. The switch for the rest members **have** to be set to OFF.

Note: If the switch is set to ON, the outlet A´ and B´ will be shutdown.

Ports/Case	
Profibus	SubD 9 pin male
PD / diagnostic	SubD 9 pin female
Cable diameter	5,0 mm – 8,0 mm
Fixing screw	4 - 40 UNC
Case	ABS, V0
Protections class	IP20
Connection technology	Screw / clamping technique
Bus line	Type of circuit A, according to EN 50 170
Characteristic impedance (ohm)	135 … 165
Capacitance distribution (pF/m)	< 30
Loop impedance (ohm/km)	110
Strand diameter (mm)	0,64
Strand section (mm²)	> 0,34
Linear expansion	
Baud rate in kbit/s	Length of segment in meter
9,6 / 19,2 / 45,45 / 93,75	1200
187,5	1000
500	400
1500	200
3000 / 6000 / 12000	100

Pin assignment:

MPI / Profibus starting from the side of the PLC.

Signal name	Short form	Signal direction (viewed from the PLC)	PIN-Nr.
No funktion	NF		1
Ground 24V	M24V	Out	2
Data line B	Ltg_B	In + Out	3
Send Request from AS	RTS-AS	In	4
Ground 5V	M5V	OUT	5
5V output	P5V	IN	6
24V supply input	P24V	OUT	7
Data line A	Ltg_A	In + Out	8
Send Request to AS	RTS-PG	IN	9
Both sides of the SUB-D case			shielding

Note:

All pins of the Profibus-SubD have a 1:1 connection to the diagnostic-SubD.
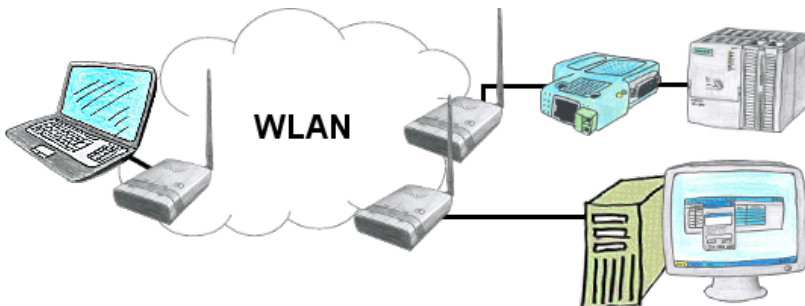
Menutree Website: **QR-Code Website:**

+ Products / docu / downloads
  + Accessories
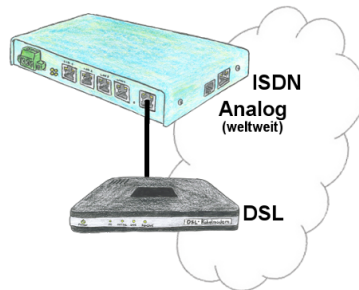   + Connector plug / equipment
     + Cheap-Conn

Please make sure to update your drivers before using our products.

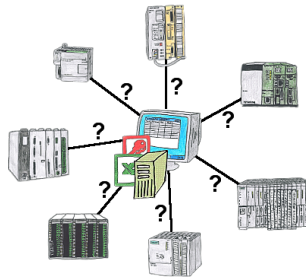
Operation as bridge

You have two or more clients which should communicate together without LAN-cable-connection? No problem, you connect a "Access-Point" configured ALF to this device and to the other device a "Client" configured ALF. Then connect the "Client" with the "Access-Point" and the device are able to communicate together.

Universal coupling

You need a family of devices with which you can solve all your requirements? No problem! With the TELE-router you are able to establish a connection via analog, ISDN or PPPoE (DSL cable modem). The devices are compatible with each other in each case, so that no further additional hardware is needed.

Communication with PLCs without knowledge of the specific protocol

Who does not know the problem for a production-analysis still lack data that is stored in the controller. Without PLC-specific programming-packages you can not get the data and the software-technician has no time.
 A one-time change to the evaluation-tool, the PLC-specific DLL-file integrated (also at Excel, Access, ...) and functions for reading and writing data of the controller are available.