a**X**link100

aXlink100 – Universal Gateway between Ethernet and Fieldbus

Ethernet is becoming the prevailing communication medium in automation technology. The aXlink100, the new equipment available for the automationX software (version 4.7 and higher), connects Profibus with Ethernet in real time.

FEATURES aXlink100

- ▶ Real-Time protocol (Xlink)
- ▶ High bandwith
- ▶ Redundancy capable
- ▶ Shockproof redundancy change-over
- ▶ Different topologies application (line, ring, tree, tree topology redundant)
- ▶ Ring topology without expensive optic fibre cabling
- ▶ Up to 16 aXlink100 per system
- ▶ Redundant power supply 24V DC
- ▶ Exchangeable without configuration (address switch)
- ▶ Diagnostics via LED and protocol
- ▶ Top hat rail mounting
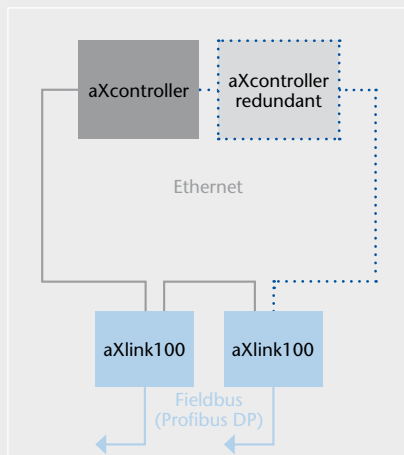- ▶ Driver for automationX from version 4.7
- ▶ Other drivers on request

The aXlink100 interconnects Ethernet with Profibus, in which Xlink, a real time Ethernet protocol developed by AutomationX, is used. The aXlink100 incorporates two Ethernet interfaces, which are available as 8P8C (RJ45) or optic fibre option, as well as a Profibus-DP master interface. These interfaces allow a multiplicity of system and network configurations.

Therefore this equipment allows the configuration of an electrical ring via CAT5 cabling or a network and/or server redundancy via switches in a star layout network with this equipment. Thus it is possible to link up to 16 Profibus Master (aXlink100) with up to 124 Profibus-DP slaves per unit to automationX.
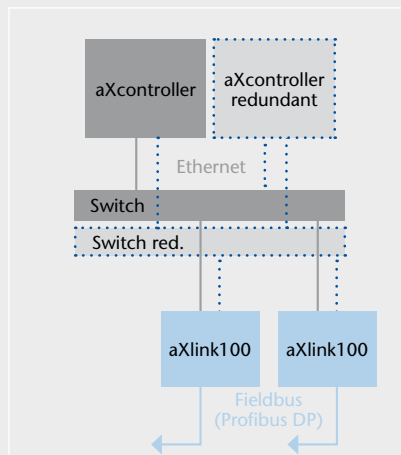
TECHNICAL DATA

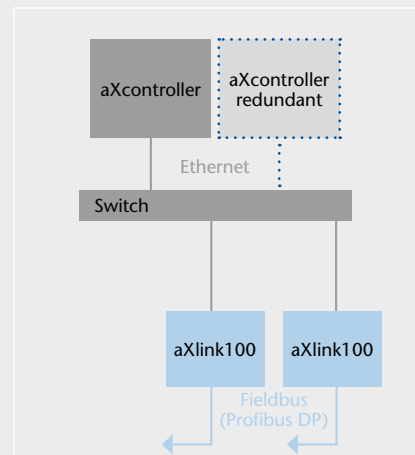|	
Order Number	aXlink100
CPU	netX (200MHz ARM9)
RAM	8 MB
System Memory	Micro-SD-Karte
Interfaces	2x Ethernet (RJ45 socket) 100Mbit/s 1x Profibus (9pol. sub-D-socket f.) up to 12 MBaud Other protocols on request
Power Supply	Supply voltage 14-30V DC Average current consumption 0,15A Power consumption 8,2W
Dimensions (HxWxD)	105 x 45 x 118 mm
Protection Class	IP 20
Ambient Area	Working temperature: -10°C to 70°C Storage temperature: -20°C to 80°C Relative humidity: < 90% (not condensed)

SAMPLE CONFIGURATIONS

Ring Topology

Tree Topology Redundant

Tree Topology

automation X

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