

B&R - X20 System

X20IF10E1-1

PROFINET IO Controller Module**Technical specifications**

Fieldbus role	PROFINET IO controller (master)
Physical layer	100BASE-TX
Ports	2 shielded RJ45 ports, integrated switch
Transfer rate	100 Mbit/s
Duplex modes	Half-duplex and full-duplex
Autonegotiation	Supported
Auto-MDI/MDIX	Supported
Maximum segment length	100 m between two stations
Controller	netX100
Memory	8 MB SDRAM
Electrical isolation	PLC isolated from PROFINET IO interfaces
Supported slots	X20 PLC or expandable bus controller X20BC1083
Power consumption	2 W
Degree of protection	IP20

Documented role

B&R X20IF10E1-1 is a PROFINET IO controller module with two shielded RJ45 ports and an integrated Ethernet switch for the X20 System.

Documented applications

- Integrating third-party PROFINET IO devices into B&R control systems
- Bidirectional process-data exchange between X20 controllers and PROFINET equipment
- Daisy-chain PROFINET installations using the integrated two-port switch

Selection and installation checks

X20IF10E1-1 is a PROFINET IO controller for an X20 PLC or X20BC1083; verify host slot support, device names, GSDML files, topology, 100 m segments, firmware, and saved network configuration before replacement.