

ANYBUS X-GATEWAY PROTOCOL CONVERTERS

Product Data Sheet

AB9001-B

Modbus TCP PROFIBUS gateway

FUNCTION	FAMILY	ORIGIN	WEIGHT
Modbus TCP PROFIBUS gateway	Anybus X-gateway protocol converters	Sweden	0.22 kg

ANYBUS AB9001-B is a Modbus TCP PROFIBUS gateway for the Anybus X-gateway protocol converters. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Component Class	Modbus TCP PROFIBUS gateway
Drive Family	Anybus X-gateway protocol converters
Primary Function	Links Modbus TCP devices to PROFIBUS controllers
Power Architecture	Dual-network standalone gateway
Voltage Class	19.2–28.8 V DC supply
Current Rating	300 mA maximum at nominal Vcc
Control Supply	150 mA typical at 24 V DC
Power Section	DIN-rail control cabinet
Mechanical Design	35 × 110 × 101 mm enclosure
Electrical Interface	Dual RJ45 and 9-pin D-sub ports

ADDITIONAL PRODUCT DATA

Cooling Integration	Passive industrial enclosure cooling
Board Designation	AB9001-B exact item number
Service Role	Modbus client to PROFIBUS slave
Product Status	Legacy product with ABC3200-A successor
Commissioning Check	Validate both network data areas

OFFICIAL APPLICATIONS

- Connect Modbus TCP equipment to a PROFIBUS control system: Deploy AB9001-B where the gateway acts as a Modbus TCP client or master and as a PROFIBUS slave. Define each network independently and map the required cyclic I/O between the two sides.
- Coordinate Modbus server transactions with PROFIBUS process data: Use the two Ethernet ports for 10/100 Mbit/s Modbus TCP communication and the female D-sub port for PROFIBUS. Confirm server addresses, transaction timing, byte order, data sizes and watchdog behavior.
- Back up the legacy gateway configuration before installing its successor: Save the active mapping, IP settings, PROFIBUS address, GSD configuration and diagnostic state before removal. When evaluating ABC3200-A, validate the complete network behavior instead of assuming direct configuration interchangeability.

SYSTEM COMPATIBILITY

Match AB9001-B to the installed Anybus X-gateway protocol converters, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[HMS Networks AB9001-B Anybus X-gateway manufacturer datasheet](#)

<https://www.hms-networks.com/p/ab9001-b-anybus-x-gateway-modbus-tcp-client-profibus-slave>

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