AB7000-C

Anybus Communicator serial master to PROFIBUS

RS-232/422/485 serial telegrams mapped to PROFIBUS

PRODUCT SNAPSHOT

BRAND	FAMILY
Anybus	HMS Anybus gateway
PART	ORIGIN / HS
AB7000-C	Austria / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE
+86 180 3023 5313

EMAIL
sales13@apterpower.com

WEBSITE
www.apterpower.com

PRODUCT OVERVIEW

RS-232/422/485 serial telegrams mapped to PROFIBUS

1. Maps serial device data into PROFIBUS
2. Supports RS-232, RS-422 and RS-485
3. Acts as the serial master
4. Uses Anybus configuration software

SYSTEM COMPONENTS

- serial field devices
- PROFIBUS master
- DIN-rail control cabinet
- approved Anybus configuration file

TECHNICAL NOTE

Back up the Anybus configuration, record serial framing and PROFIBUS node settings, then validate every mapped data item after replacement.

TECHNICAL DATA

PARAMETER	VALUE
Gateway role	Serial master to PROFIBUS
Serial interfaces	RS-232; RS-422; RS-485
Fieldbus	PROFIBUS

PARAMETER	VALUE
Configuration	Anybus Configuration Manager
Mounting	DIN rail

ENGINEERING NOTE

Back up the Anybus configuration, record serial framing and PROFIBUS node settings, then validate every mapped data item after replacement.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330354-040-24-05	Related industrial automation product	**View 330354-040-24-05 page**
3500-15-129486-01	Related industrial automation product	**View 3500-15-129486-01 page**
330103-00-06-10-02-CN	Related industrial automation product	**View 330103-00-06-10-02-CN page**
330101-30-63-15-02-CN	Related industrial automation product	**View 330101-30-63-15-02-CN page**
26363-30	Related industrial automation product	**View 26363-30 page**
3300-12-02-20-00	Related industrial automation product	**View 3300-12-02-20-00 page**
A5E36717803	Related industrial automation product	**View A5E36717803 page**
A5E36717808	Related industrial automation product	**View A5E36717808 page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Legacy serial-device integration

Maps serial device data into PROFIBUS

PROFIBUS retrofit

Supports RS-232, RS-422 and RS-485

Multi-drop RS-485 gateway

Acts as the serial master

Gateway replacement

Uses Anybus configuration software

PRODUCT PRECAUTIONS

1. Verify the full AB7000-C marking and its assigned HMS Anybus gateway position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and rs-232/422/485 serial telegrams mapped to profibus field energy before disconnecting conductors.
4. Record connector, conductor, address and software identities before removal.
5. Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
6. Confirm the installed serial field devices and PROFIBUS master against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended legacy serial-device integration function and retain the final test result.

ENGINEER FAQ

Q1 Does AB7000-C match serial field devices in a Legacy serial-device integration installation?

Verify the complete AB7000-C marking, the documented HMS Anybus gateway position and the installed serial field devices before fitting the assembly.

Q2 How should AB7000-C be wired when it must maps serial device data into profibus?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for AB7000-C; then continuity-test the affected path.

Q3 Which HMS Anybus gateway records should be captured before removing AB7000-C?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with AB7000-C before disconnection.

Q4 What controlled test confirms that AB7000-C can supports rs-232, rs-422 and rs-485?

Apply the approved field or simulated stimulus, observe the HMS Anybus gateway indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which PROFIBUS master condition should be checked when AB7000-C reports an abnormal state?

Check the PROFIBUS master supply, seating and connection first, then compare channel diagnostics with the recorded AB7000-C baseline.

Q6 Can AB7000-C be moved directly into PROFIBUS retrofit without validating approved Anybus configuration file?

No. Confirm the approved Anybus configuration file, revision, connection scheme and HMS Anybus gateway configuration before transferring AB7000-C to that duty.

Q7 What maintenance evidence is required after AB7000-C is used for Multi-drop RS-485 gateway?

Retain the nameplate record, corrective action, final diagnostics and a controlled multi-drop rs-485 gateway functional-test result for AB7000-C.

Q8 How should AB7000-C be returned to service in Gateway replacement?

Restore power under control, verify acts as the serial master, exercise the intended signal path and release AB7000-C only after the HMS Anybus gateway remains in its approved operating state.

SOURCE HMS Networks official product data | AB7000-C

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com