

APTER POWER PRODUCT GUIDE

1785-PFB

PLC-5 PROFIBUS Coprocessor

Allen-Bradley 1785-PFB is a PLC-5 PROFIBUS coprocessor. It links the PLC-5 control platform to a configured PROFIBUS network and is commissioned through the Local Station Manager.

Manufacturer	Allen-Bradley
Model	1785-PFB
Product type	PLC-5 PROFIBUS Coprocessor
Product family	PLC-5 PROFIBUS
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation and system fit

- Archive the bus parameters and address map before module work.
- Use the documented RS-232 pinout for the engineering connection.
- Verify station address and bus parameters before enabling communications.
- Review event logs and device status after any reset or configuration load.

Controlled configuration

Complete model	1785-PFB
Product type	PLC-5 PROFIBUS Coprocessor
System family	PLC-5 PROFIBUS

2. Commissioning sequence

- 1 Archive the bus parameters and address map before module work.
- 2 Use the documented RS-232 pinout for the engineering connection.
- 3 Verify station address and bus parameters before enabling communications.
- 4 Review event logs and device status after any reset or configuration load.

Technical verification note

Use the Local Station Manager to confirm 1785-PFB switches, battery status, communication port, bus parameters and system events. Retain the validated station configuration before any module reset.

3. Application verification

PLC-5 PROFIBUS station integration

Executes the configured PLC-5-to-PROFIBUS communication role

PROFIBUS device commissioning

Exposes bus parameters and module information to the engineering utility

Legacy network diagnostic work

Reports remote, communication, module and program events

PLC-5 bus-parameter recovery

Supports controlled communication and module reset functions

Associated system components

- PLC-5 processor system
- PROFIBUS field network
- RS-232 engineering cable
- Local Station Manager software

4. Maintenance and verification FAQ

Which events should be reviewed on 1785-PFB?

Review the REMOTE, COMMUNICATION, MODULE and PROGRAM event categories after commissioning or faults.

What is checked before resetting communications on 1785-PFB?

Confirm the saved bus configuration, active device state and impact on PLC-5 data exchange before issuing the reset.

How is 1785-PFB validated after replacement?

Reconnect through the engineering port, load the approved station settings and prove each required PROFIBUS data exchange.

Can 1785-PFB be replaced without checking PLC-5 addresses?

No. Address conversion and data mapping are part of the validated interface and must be compared.

Source record

Rockwell Automation PLC-5 PROFIBUS Local Station Manager User Manual 1785-UM041
https://literature.rockwellautomation.com/idc/groups/literature/documents/um/1785-um041_-en-p.pdf

ASK FOR QUOTE

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