

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.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com



SCAN FOR PRODUCT & QUOTE

1. Product overview and identity

- Executes the configured PLC-5-to-PROFIBUS communication role
- Exposes bus parameters and module information to the engineering utility
- Reports remote, communication, module and program events
- Supports controlled communication and module reset functions

Model configuration

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

2. Technical specifications

Network protocol	PROFIBUS
Host platform	PLC-5
Engineering interface	Local Station Manager
Engineering connection	RS-232
RS-232 connector	9-pin female
RS-232 transmit pin	Pin 4
RS-232 receive pin	Pin 3
RS-232 data ground	Pin 1
Event categories	REMOTE; COMMUNICATION; MODULE; PROGRAM
Module reset duration	Up to 1 minute

3. Functions, applications and components

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. Engineering FAQ and source record

Which engineering utility configures 1785-PFB?

Use the Rockwell Automation PLC-5 PROFIBUS Local Station Manager.

How is a computer connected to 1785-PFB?

Use the documented RS-232 connection and verify the transmit, receive and data-ground pin assignments.

Which PROFIBUS settings must be preserved for 1785-PFB?

Archive the station address, bus parameters, device definitions and PLC-5 data-address conversions.

How long can a 1785-PFB module reset take?

The Local Station Manager manual states that a module reset can take up to one minute.

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

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