

APTER POWER PRODUCT MANUAL

6ES7288-5CM01-0AA0

SIMATIC S7-200 SMART CM01 RS-485 Communication Board

The Siemens 6ES7288-5CM01-0AA0 is a SIMATIC S7-200 SMART CM01 RS-485 Communication Board that provides one compact 9-pin RS-485 Freeport communication interface.

In an S7-200 SMART automation station, it adds one RS-485 Freeport interface for project-defined serial data exchange with compatible devices. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in serial instruments, drives, operator devices, and project-defined RS-485 machine communications.

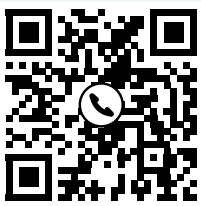
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

One RS-485 port. Compact Freeport access. Clear serial integration.

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SCAN FOR PRODUCT & QUOTE
6ES7288-5CM01-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-5CM01-0AA0 is a SIMATIC S7-200 SMART CM01 RS-485 Communication Board that provides one compact 9-pin RS-485 Freeport communication interface.

In an S7-200 SMART automation station, it adds one RS-485 Freeport interface for project-defined serial data exchange with compatible devices. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in serial instruments, drives, operator devices, and project-defined RS-485 machine communications.

Model Configuration

Field	Verified information
Complete model	6ES7288-5CM01-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART CM01 RS-485 Communication Board

Key Features

- Exact Siemens MLFB 6ES7288-5CM01-0AA0
- SIMATIC S7-200 SMART CM01 RS-485 Communication Board
- 1 RS-485 interface, 9-pin D-sub male
- Powered from 5 V DC CPU backplane bus, 50 mA typical
- 35 x 52.2 x 16 mm
- 0.0182 kg approximate device weight

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SIMATIC S7-200 SMART CM01 RS-485 Communication Board
Complete article number	6ES7288-5CM01-0AA0
System	SIMATIC S7-200 SMART
Primary function	one compact 9-pin RS-485 Freeport communication interface
Signal configuration	1 RS-485 interface, 9-pin D-sub male
Supply / host interface	Powered from 5 V DC CPU backplane bus, 50 mA typical
Product type designation	CM01 RS-485
RS-485 interfaces	1
Connector	9-pin D-sub male
Supported communication mode	Freeport
Backplane-bus current	50 mA typical at 5 V DC
Industrial Ethernet interfaces	0
Power loss	0.5 W
Degree of protection	IP20
Device dimensions	35 x 52.2 x 16 mm (W x H x D)
Approximate device weight	0.0182 kg
Country of origin	Germany
Lifecycle	The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

Verification Note

Use the complete 6ES7288-5CM01-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Adds one RS-485 Freeport interface for project-defined serial data exchange with compatible devices.
- Maintains the documented CM01 function for the complete 6ES7288-5CM01-0AA0 article number.
- Provides a model-specific basis for wiring, configuration, commissioning, diagnostics, and replacement verification.

Application Areas

Application	System role
Freeport serial exchange	Adds one project-defined RS-485 communication channel
Instrument connectivity	Links compatible serial instruments using the documented pinout and protocol implementation
Machine-device data transfer	Exchanges command, status, and measurement telegrams defined by the CPU project
Compact communication expansion	Supports serial instruments, drives, operator devices, and project-defined RS-485 machine communications

Compatible Components

- S7-200 SMART CPU whose documentation explicitly supports 6ES7288-5CM01-0AA0
- Compatible CPU signal-board slot, cover, connector, and mechanical arrangement
- STEP 7 Micro/WIN SMART hardware configuration and firmware matched to the exact CPU and board
- Field cable, shielding, grounding, and connected devices matched to the published interface

Lifecycle Status

The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

4. Installation Precautions

- Identity: Match every character of 6ES7288-5CM01-0AA0 and the CM01 marking to the physical nameplate and project
- Host and power: Verify Powered from 5 V DC CPU backplane bus, 50 mA typical; isolate all energy sources before insertion, removal, or wiring
- RS-485: Verify the 9-pin pinout, cable, shield, reference conductor, termination, biasing, baud rate, and Freeport program before connection
- Cabling: Follow Siemens terminal, shielding, grounding, separation, and maximum cable-length instructions
- Commissioning: Verify addresses and scaling, energize one circuit group at a time, test fail-safe behavior, and record results

STOP - Verify before installation

Use the complete 6ES7288-5CM01-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens official technical data sheet or product record for 6ES7288-5CM01-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-5CM01-0AA0>; Siemens official system manual used for model-specific installation and compatibility context:

https://support.industry.siemens.com/cs/attachments/109745610/s7-200_SMART_system_manual_en-US.pdf

Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-5cm01-0aa0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.