

SIMATIC S7-1500

Product Data Sheet

6ES7540-1AB01-0AA0

S7-1500 RS422/485 Communication Module

PRODUCT TYPE	SERIAL INTERFACES	CONNECTOR	MAXIMUM TRANSMISSION RATE
CM PtP RS422/485 BA	RS422 and RS485	15-pin D-sub socket	19.2 kbit/s

Siemens 6ES7540-1AB01-0AA0 is an S7-1500 basic point-to-point communication module for RS422 and RS485 serial devices.

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VERIFIED TECHNICAL DATA

Product type	CM PtP RS422/485 BA
Serial interfaces	RS422 and RS485
Connector	15-pin D-sub socket
Maximum transmission rate	19.2 kbit/s
Maximum cable length	1200 m
Integrated protocols	Freeport, 3964(R), USS
Freeport telegram length	1 kbyte maximum
3964(R) telegram length	1 kbyte maximum

Values are limited to this exact Siemens order number and the cited official manual.

02

ADDITIONAL VERIFIED DATA

Current consumption	43 mA from backplane bus
Backplane power	0.65 W
Power loss	0.6 W typical
Rail mounting	S7-1500 mounting rail
Diagnostics	RUN, ERROR, RxD and TxD LEDs
Isolation test	707 V DC
Operating temperature	−30 to +60 °C horizontal

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PRODUCT FUNCTION

It provides a 15-pin D-sub serial interface, 19.2 kbit/s maximum transmission, 1200 m maximum cable length and integrated Freeport, 3964(R) and USS protocol support.

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OFFICIAL APPLICATIONS

- RS485 communication with industrial measurement devices
- USS communication with compatible variable-speed drives
- Freeport serial links for legacy machine equipment
- 3964(R) data exchange in automation cells
- S7-1500 integration of existing serial devices

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OFFICIAL SOURCES

[Siemens exact product record](#)

[CM PtP RS422/485 BA and HF Equipment Manual](#)

AMIKON PRODUCT SUPPORT

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