

SIMATIC S7-400, CP 441-1 COMMUNICATIONS MODULE FOR
POINT TO POINT CONNECTIONS 1 CHANNEL INCL. CONFIG.
PACKAGE ON CD

Supply voltage

Rated value (DC)

- 5 V DC
- 24 V DC

Yes
Yes

Input current

from backplane bus 5 V DC, max.

700 mA; Without interface module

Interface modules

- 20 mA (TTY), power consumption from 5 V/24 V, max.
- RS 422/485 (X.27), power consumption from 5 V, max.
- RS 232C (V.24), power consumption from 5 V, max.

300 mA at 5 V, 45 mA at 24 V
300 mA
300 mA

Memory

Memory requirements per interface in memory card of S7-CPU

1 to 5 KB for parameters; 0 to 55 KB for message texts

Interfaces

Number of interfaces

1; variable

Interface physics, 20 mA (TTY)

Yes

Interface physics, RS 232C (V.24)

Yes

Interface (physical) RS 422/485 (X.27)

Yes

20 mA (TTY), cable length shielded, max.

1 000 m

RS 232, cable length shielded, max.

10 m

RS 422/RS 485, cable length shielded, max.

1 200 m

Point-to-point

- Transmission rate, max.
- supported printers

38.4 kbit/s
HP-Deskjet, HP-Laserjet, IBM-Proprietary, user-defined

Integrated protocol driver

- 3964 (R)
- ASCII
- Printer

Yes
Yes
Yes

Transmission rate, 20 mA (TTY)

- with 3964 (R) protocol, max.
- with ASCII protocol, max.

19.2 kbit/s
19.2 kbit/s

— with printer driver, max.	19.2 kbit/s
Transmission rate, RS 422/485	
— with 3964 (R) protocol, max.	38.4 kbit/s
— with ASCII protocol, max.	38.4 kbit/s
— with printer driver, max.	38.4 kbit/s
Transmission speed, RS 232	
— with 3964 (R) protocol, max.	38.4 kbit/s
— with ASCII protocol, max.	38.4 kbit/s
— with printer driver, max.	38.4 kbit/s
Communication functions	
S7 communication	
• S7 extended communication	Yes
Number of connections	
• overall	8
Configuration	
Configuration software	
• STEP 7	Yes; own parameter assignment forms
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weights	
Weight, approx.	720 g; Interface module: 100 g
last modified:	03/15/2018