

SIMATIC S7-400, CP 441-2 COMMUNICATIONS MODULE FOR POINT TO POINT CONNECTIONS 2 CHANNELS INCL. CONFIG. PACKAGE ON CD

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. | 300 mA at 5 V, 45 mA at 24 V |
| • RS 422/485 (X.27), power consumption from 5 V, max. | 300 mA |
| • RS 232C (V.24), power consumption from 5 V, max. | 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; 0 to 64 KB for loadable drivers

Interfaces

Number of interfaces	2; 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. | 115.2 kbit/s; distributed on both interfaces |
| • supported printers | HP-Deskjet, HP-Laserjet, IBM-Proprinter, user-defined |

Integrated protocol driver

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|--|-----|
| — 3964 (R) | Yes |
| — ASCII | Yes |
| — RK512 | Yes |
| — Printer | Yes |
| — customer-specific drivers reloadable | Yes |

Transmission rate, 20 mA (TTY)

- | | |
|--------------------------------|-------------|
| — with 3964 (R) protocol, max. | 19.2 kbit/s |
| — with ASCII protocol, max. | 19.2 kbit/s |
| — with printer driver, max. | 19.2 kbit/s |
| — with RK 512 protocol, max. | 19.2 kbit/s |

Transmission rate, RS 422/485	
— with 3964 (R) protocol, max.	115.2 kbit/s
— with ASCII protocol, max.	115.2 kbit/s
— with printer driver, max.	115.2 kbit/s
— with RK 512 protocol, max.	115.2 kbit/s

Transmission speed, RS 232	
— with 3964 (R) protocol, max.	115.2 kbit/s
— with ASCII protocol, max.	115.2 kbit/s
— with printer driver, max.	115.2 kbit/s
— with RK 512 protocol, max.	115.2 kbit/s

Communication functions

S7 communication

• S7 extended communication	Yes
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Number of connections

• overall	8
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Configuration

Configuration software

• STEP 7	Yes; own parameter assignment forms
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Dimensions

Width	25 mm
Height	290 mm
Depth	210 mm

Weights

Weight, approx.	720 g; Interface module: 100 g
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last modified: 03/15/2018