

SIMATIC S7-400, coupling module CP 441-1 for point-to-point connections, 1 channel incl. configuration package on CD



General information

Product type designation CP 441-1 PtP

Supply voltage

Rated value (DC)

- 5 V DC Yes
- 24 V DC Yes

Input current

from backplane bus 5 V DC, max. 300 mA; Without interface module

Power loss

Power loss, typ. 2.1 W; incl. 1x20 mA TTY module

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; At 9600 bps
RS 232, cable length shielded, max.	15 m; At 115200 bps
RS 422/RS 485, cable length shielded, max.	1 200 m; At 19200 bps
Point-to-point connection	
• Transmission rate, max.	115.2 kbit/s; Min. 300 bps
• supported printers	HP-Deskjet, HP-Laserjet, IBM-Proprinter, user-defined
Integrated protocol driver	
— 3964 (R)	Yes
— ASCII	Yes
— RK512	No
— Printer	Yes
— customer-specific drivers reloadable	No
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
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
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
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• min.	0 °C
• max.	70 °C
Relative humidity	
• Operation, max.	95 %; no condensation
Dimensions	
Width	25 mm
Height	290 mm
Depth	210 mm
Weights	
Weight, approx.	580 g; Interface modules: 80 g

last modified:

07/17/2018