

SIEMENS

Product data sheet

6ES7441-2AA04-0AE0


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

Supply voltage	
5 V DC	Yes
24 V DC	Yes
Input current	
from backplane bus 5 V DC, max.	600 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
Power losses	
Power loss, typ.	0.3 W
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 physics, RS 422/RS 485 (X.27)	Yes
20mA (TTY), cable length, shielded, max.	1000 m
RS 232, cable length, shielded, max.	10 m
RS 422/485, cable length, shielded, max.	1200 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	
3964 (R)	Yes
ASCII	Yes
RK512	Yes
Printer	Yes
customer-specific drivers reloadable	Yes
Transmission speed, 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 speed, RS 422/485	
with 3964 (R) protocol, max.	115.2 kbit/s
with ASCII protocol, max.	115.2 kbit/s
with RK 512 protocol, max.	115.2 kbit/s
with printer driver, max.,	115.2 kbit/s
Transmission speed, RS232	
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
Dimensions	

Width	25 mm
Height	290 mm
Depth	210 mm
Weight	
Weight, approx.	720 g ; Interface module: 100 g
Status	Jul 17, 2012