

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SIMATIC NET

6GK7443-5DX04-0XE0

PROFIBUS COMMUNICATION PROCESSOR

Used with the applicable SIMATIC S7-400 communication configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

Product type designation

CP 443-5 Extended

Communications processor CP 443-5 Extended for connection of SIMATIC S7-400 to PROFIBUS DP, S5-compatible, PG/OP and S7 communication



Transmission rate	
Transfer rate	
at the 1st interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
at the 1st interface / acc. to PROFIBUS	1
Type of electrical connection	
at the 1st interface / acc. to PROFIBUS	9-pin Sub-D socket (RS485)
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Supply voltage	5 V
Relative symmetrical tolerance / at DC	
at 5 V	5 %
Consumed current	
from backplane bus / at DC / at 5 V / typical	1 A

Power loss [W]	5 W
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Permitted ambient conditions	
Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight	
Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.65 kg

Product properties, functions, components / general	
Number of units	
• per CPU / maximum	14
• Note	The number of CPs that can be operated as DP masters depends on the number of CP 443-1 Advanced processors operating in the S7-400 station as PROFINET IO controllers. Up to 10 CPs can be operated in total: up to 4 as PROFINET IO controllers (CP 443-1 Advanced); up to 10 as DP masters (CP 443-5 Extended)

Performance data / open communication	
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32
Amount of data	
• as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum	240 byte

Performance data / PROFIBUS DP	
Service / as DP master	
• DPV1	Yes
Number of DP slaves / on DP master / usable	125
Amount of data	
• of the address area of the inputs / as DP master / total	4096 byte
• of the address area of the outputs / as DP master / total	4096 byte
• of the address area of the inputs / per DP slave	244 byte