

SIMATIC S7-400 CP 443-1 ADVANCED

Product Data Sheet

6GK7443-1EX41-0XE0

Industrial Ethernet communication processor

ETHERNET TRANSMISSION RATE	ETHERNET PORTS	SWITCH AGING TIME	C-PLUG WRITE CYCLES
10 / 100 Mbps	4 RJ45	5 minutes	100000

Siemens 6GK7443-1EX41-0XE0 is a CP 443-1 Advanced communication processor for compatible SIMATIC S7-400 controllers. It connects the configured controller to Industrial Ethernet for the documented communication services and supported PROFINET functions.

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VERIFIED TECHNICAL DATA

Ethernet transmission rate	10 / 100 Mbps
Ethernet ports	4 RJ45
Switch aging time	5 minutes
C-PLUG write cycles	100000
Maximum backplane current	1.8 A at 5 V
Battery-backed RAM current	0.018 mA typical / 0.063 mA maximum
Power loss	7.25 W
Operating temperature	0 to +60 deg C
Storage temperature	-40 to +70 deg C
Maximum relative humidity	95% at +25 deg C

ADDITIONAL PRODUCT DATA

Maximum operating altitude	2000 m
Maximum SEND/RECEIVE connections	64
Maximum UDP payload	2048 bytes
Sending TPDU payload	400 bytes
Receiving TPDU payload	ISO: 512 bytes; ISO-on-TCP: 1024 bytes; TCP: 1460 bytes

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Process Production: Industrial Chemical Production.

Food Processing and Beverage Manufacturing: Food Manufacturing and Packaging.

Automotive Production and Component Manufacturing: Vehicle Assembly and Production.

SYSTEM COMPATIBILITY

6GK7443-1EX41-0XE0 belongs to the SIMATIC S7-400 CP 443-1 Advanced family and provides the documented industrial ethernet communication processor function. Its ethernet transmission rate is 10 / 100 Mbps; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC S7-400 CP 443-1 Advanced manufacturer documentation; applicable pages 3, 4, 5, 13, 14, 15, 16, 24, 26, 27, 78

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