

SIMATIC S7-400 CP 443-1

Product Data Sheet

6GK7443-1EX30-0XE1

Industrial Ethernet Communications Processor

ETHERNET CONNECTORS	ETHERNET TRANSFER RATE	BACKPLANE SUPPLY	TYPICAL BACKPLANE CURRENT
2 x RJ45	10/100 Mbit/s	5 V DC, +/-5%	1.4 A

Siemens 6GK7443-1EX30-0XE1 is the CP 443-1 communications processor for SIMATIC S7-400 stations. It connects a compatible controller to Industrial Ethernet and supports S7 communication, open communication and PROFINET IO controller operation.

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VERIFIED TECHNICAL DATA

Ethernet connectors	2 x RJ45
Ethernet transfer rate	10/100 Mbit/s
Backplane supply	5 V DC, +/-5%
Typical backplane current	1.4 A
Power loss	7.25 W
Operating temperature	0 to +60 deg C; +70 deg C from hardware version 2
Storage temperature	-40 to +70 deg C
Relative humidity	95% maximum, noncondensing at 25 deg C
Protection rating	IP20
Maximum open connections	64 SEND/RECEIVE connections

ADDITIONAL PRODUCT DATA

Maximum ISO/TCP payload	8 KiB
Maximum UDP payload	2 KiB
Maximum S7 connections	128
Maximum PROFINET IO devices	128; 64 with IRT
Engineering software	STEP 7 V5.5 SP3 or TIA Portal Professional V12

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Process Production: Industrial Chemical Production Processes.

Oil Refining and Gas Processing: Petroleum Refining Process Operations.

Electricity Generation and Energy Production: Thermal Power Generation Processes.

SYSTEM COMPATIBILITY

Integrate 6GK7443-1EX30-0XE1 as the documented industrial ethernet communications processor in its compatible SIMATIC S7-400 CP 443-1 configuration. Match the complete product label, connection arrangement and installed hardware revision before making changes.

PRODUCT EVIDENCE

SIMATIC S7-400 CP 443-1 Industrial Ethernet Communications Processor; applicable manufacturer document pages 1, 2, 3, 4, 5