

SIMATIC S7-400 COMMUNICATION PROCESSORS

Product Data Sheet

6GK7443-1EX20-0XE0

CP 443-1 Ethernet communication processor

FUNCTION	FAMILY	ORIGIN	WEIGHT
CP 443-1 Ethernet communication processor	SIMATIC S7-400 communication processors	Germany	Confirm before dispatch

Siemens Simatic Net 6GK7443-1EX20-0XE0 is a CP 443-1 Ethernet communication processor for the SIMATIC S7-400 communication processors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6GK7443-1EX20-0XE0
Product Class	Cp 443-1 Ethernet Communication Processor
Product Family	SIMATIC S7-400 communication processors
Controller Platform	SIMATIC S7-400
Network Protocol	Industrial Ethernet / PROFINET
Backplane Interface	S7-400 system bus
Transfer Rate	10 / 100 Mbit/s
Communication Services	S7 communication
Configuration Tool	STEP 7 / NCM
Time Synchronization	Network time services

Diagnostics	Module and network status
Supply Source	S7-400 backplane
Mounting	S7-400 rack slot
Status Indication	Front-panel LEDs

- Support remote pump-station communication with Cp 443: In the automation chain for the pump PLCs, radios and supervisory servers, 6GK7443-1EX20-0XE0 operates in its approved product-family role as a CP 443-1 Ethernet communication processor. During station duty change, the system uses this function to exchange commands, status and alarm data with the remote station, helping it retain coordinated pump operation.
- Supervise recipe-server exchange during recipe download: During operation of the batch controllers, HMIs and recipe servers, 6GK7443-1EX20-0XE0 performs its assigned control role as a CP 443-1 Ethernet communication processor. During recipe download, the system uses this function to deliver the approved recipe data to the production cell, helping it start the batch with the intended process parameters.
- Protect carrier identification exchange during carrier handoff: During operation of the readers, conveyor controls and tracking servers, 6GK7443-1EX20-0XE0 performs its assigned control role as a CP 443-1 Ethernet communication processor. During carrier handoff, the system uses this function to move identity and route data with the carrier, helping it send the carrier to the intended operation.

Match 6GK7443-1EX20-0XE0 to the installed SIMATIC S7-400 communication processors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6GK7443-1EX20-0XE0>

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