

SIMATIC S7-400 COMMUNICATION PROCESSORS

# Product Data Sheet

**6GK7443-1GX20-0XE0**

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 6GK7443-1GX20-0XE0 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     | 6GK7443-1GX20-0XE0                        |
| 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          |

- Stabilize warehouse backbone with Cp 443 process control: Within the industrial switches and storage controllers, 6GK7443-1GX20-0XE0 supports the configured automation role as a CP 443-1 Ethernet communication processor. During uplink switchover, the system uses this function to maintain the redundant path between storage areas, helping it preserve warehouse visibility through the network event.
- Monitor recipe-server exchange with Cp 443 process control: At the control layer of the batch controllers, HMIs and recipe servers, 6GK7443-1GX20-0XE0 provides its specified system function 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.
- Regulate remote-station communication during station reconnection: At the control layer of the distributed I/O and supervisory servers, 6GK7443-1GX20-0XE0 operates in its approved product-family role as a CP 443-1 Ethernet communication processor. During station reconnection, the system uses this function to restore cyclic data exchange with the remote station, helping it return the station to the controller scan.

Match 6GK7443-1GX20-0XE0 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/6GK7443-1GX20-0XE0>

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