

6GK7443-1EX11-0XE0

SIMATIC S7-400 CP 443-1 Industrial Ethernet Processor

Siemens 6GK7443-1EX11-0XE0 is a CP 443-1 communications processor that connects a SIMATIC S7-400 station to Industrial Ethernet at 10/100 Mbit/s. It supports ISO, TCP/IP, UDP and S7

PRODUCT SNAPSHOT

BRAND
Siemens

FAMILY
SIMATIC S7-400 CP 443-1

PART
6GK7443-1EX11-0XE0

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

Siemens 6GK7443-1EX11-0XE0 provides Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services in a documented SIMATIC S7-400 CP 443-1 installation.

 CP 443-1 for SIMATIC S7-400

 10/100 Mbit/s Industrial Ethernet

 ISO, TCP/IP, UDP and S7 communication

 NTP, multicast and IP access-list services

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SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented cabinet position, power source, interfaces and approved engineering configuration. Commissioning restores that architecture and verifies the affected control or communication function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Product designation	Communication Processor CP 443-1
Host system	SIMATIC S7-400
Network	Industrial Ethernet
Transfer rate	10 / 100 Mbit/s
Transport services	ISO, ISO-on-TCP, TCP and UDP
S7 communication	Supported

PARAMETER	VALUE
Open communication	SEND / RECEIVE with and without RFC1006
Additional services	Fetch/write and multicast
Time synchronization	NTP
Initialization	Via LAN
Access protection	IP access list
Diagnostics	Extended diagnostic functions

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TECHNICAL NOTE

Install 6GK7443-1EX11-0XE0 only in the documented SIMATIC S7-400 CP 443-1 position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services before service release.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

S7-400 Ethernet integration

Connects the documented controller station to plant Industrial Ethernet.

Open TCP/IP communication

Provides approved ISO-on-TCP, TCP and UDP send/receive services.

S7 communication services

Exchanges configured automation data with Siemens stations and engineering systems.

Network replacement commissioning

Restores addressing, ACL, NTP and diagnostic settings before acceptance.

PRODUCT PRECAUTIONS

1

Confirm the complete 6GK7443-1EX11-0XE0 marking and the documented SIMATIC S7-400 CP 443-1

2

Place the machine, controller and affected process in the approved maintenance state.

3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4

Record the installed position, every terminal or port, and the active engineering configuration.

5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

6

Restore protective earth, shielding, wiring, communications and the approved project or

7

Energize under control and review all device, rack, network and process diagnostics.

8

Complete a controlled functional test of Industrial Ethernet communication for an S7-400 controller using

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ENGINEER FAQ

Q1 Why must the exact product designation value be confirmed when commissioning 6GK7443-1EX11-0XE0?

The official exact-article record identifies 6GK7443-1EX11-0XE0 as Communication Processor CP 443-1; match the full marking before installation.

Q2 Why must the exact host system value be confirmed when commissioning 6GK7443-1EX11-0XE0?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies host system as SIMATIC S7-400. Record the installed condition and test the affected function before release.

Q3 What network for 6GK7443-1EX11-0XE0 affect the installed communication architecture?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies network as Industrial Ethernet. Record the installed condition and test the affected function before release.

Q4 Why must the exact transfer rate value be confirmed when commissioning 6GK7443-1EX11-0XE0?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies transfer rate as 10 / 100 Mbit/s. Record the installed condition and test the affected function before release.

Q5 Why must the exact transport services value be confirmed when commissioning 6GK7443-1EX11-0XE0?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies transport services as ISO, ISO-on-TCP, TCP and UDP. Record the installed condition and test the affected function before release.

Q6 How should the documented s7 communication for 6GK7443-1EX11-0XE0 affect the installed communication architecture?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies s7 communication as Supported. Record the installed condition and test the affected function before release.

Q7 What open communication for 6GK7443-1EX11-0XE0 affect the installed communication architecture?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies open communication as SEND / RECEIVE with and without RFC1006. Record the installed condition and test the affected function before release.

Q8 Why must the exact additional services value be confirmed when commissioning 6GK7443-1EX11-0XE0?

For 6GK7443-1EX11-0XE0, the official exact-article evidence specifies additional services as Fetch/write and multicast. Record the installed condition and test the affected function before release.

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SOURCE Siemens SiePortal exact-article record and CP 443-1 documentation for 6GK7443-1EX11-0XE0
| Official manufacturer evidence verified 28 September 2026

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