

INDUSTRIAL AUTOMATION PRODUCT

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 communication with extended diagnostics and access control.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMATIC S7-400 CP 443-1
Part number	6GK7443-1EX11-0XE0
Document status	Controlled product and system reference

DOCUMENT SCOPE

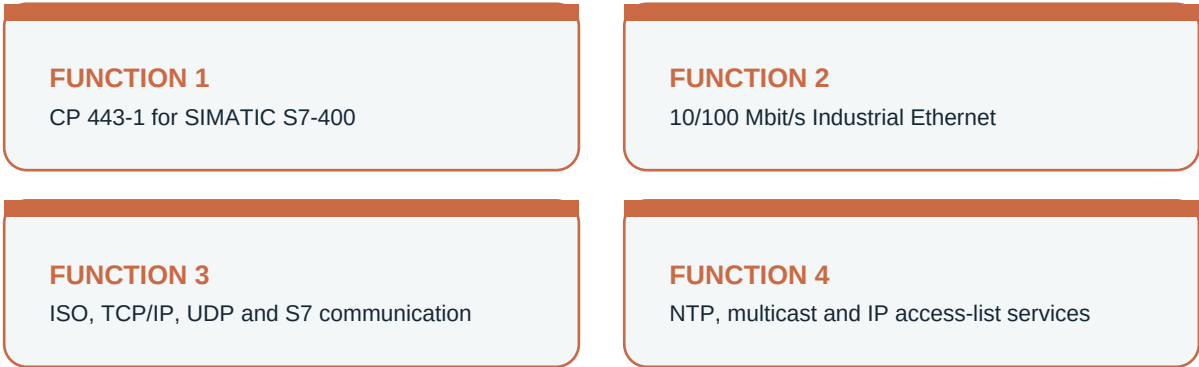
Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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 communication with extended diagnostics and access control.



RELATED APTER POWER PAGES		
1	Siemens 6SL3224-0BE31-1UA0	2
2	Siemens 6SL3210-1PE31-8AL0	3
3	Siemens 6SL3310-1GE35-0AA3	4
4	Siemens C98043-A7042-L1-6	5
5	Siemens 6SL3246-0BA22-1PA0-V-4-7	6
6	Siemens C98043-A7005-L1-6RY1704-0AA00	7
7	Siemens A5F00133580-014-C98043-A7100	8
8	Siemens 6SL3210-1PE21-1AL0	9
9	Siemens 6SL3210-1PE21-8AL0	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	SIMATIC S7-400 CP 443-1
02	Matched SIMATIC S7-400 CP 443-1 host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMATIC S7-400 CP 443-1
Interface role	Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services
Field / power context	documented SIMATIC S7-400 CP 443-1 installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

1	Confirm the complete 6GK7443-1EX11-0XE0 marking and the documented SIMATIC S7-400 CP 443-1 Industrial Ethernet Processor execution.	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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	Communication Processor CP 443-1	Open communication	SEND / RECEIVE with and without RFC1006
Host system	SIMATIC S7-400	Additional services	Fetch/write and multicast
Network	Industrial Ethernet	Time synchronization	NTP
Transfer rate	10 / 100 Mbit/s	Initialization	Via LAN
Transport services	ISO, ISO-on-TCP, TCP and UDP	Access protection	IP access list
S7 communication	Supported	Diagnostics	Extended diagnostic functions

RELATED PRODUCT PAGES

1Siemens 6SL3224-0BE31-1UA0

2Siemens 6SL3210-1PE31-8AL0

3Siemens 6SL3310-1GE35-0AA3

4Siemens C98043-A7042-L1-6

5Siemens 6SL3246-0BA22-1PA0-V-4-7

6Siemens C98043-A7005-L1-6RY1704-0AA00

7Siemens A5F00133580-014-C98043-A7100

8Siemens 6SL3210-1PE21-1AL0

9Siemens 6SL3210-1PE21-8AL0

ENGINEERING BOUNDARY

Confirm 6GK7443-1EX11-0XE0, its exact SIMATIC S7-400 CP 443-1 host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

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

Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6GK7443-1EX11-0XE0 recorded
Host / carrier	SIMATIC S7-400 CP 443-1
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services

IMPORTANT NOTICE

Confirm 6GK7443-1EX11-0XE0, its exact SIMATIC S7-400 CP 443-1 host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6SL3224-0BE31-1UA0

View Siemens 6SL3224-0BE31-1UA0 page

2

Siemens 6SL3210-1PE31-8AL0

View Siemens 6SL3210-1PE31-8AL0 page

3

Siemens 6SL3310-1GE35-0AA3

View Siemens 6SL3310-1GE35-0AA3 page

4

Siemens C98043-A7042-L1-6

View Siemens C98043-A7042-L1-6 page

5

Siemens 6SL3246-0BA22-1PA0-V-4-7

View Siemens 6SL3246-0BA22-1PA0-V-4-7 page

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Siemens C98043-A7005-L1-6RY1704-0AA00

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Siemens A5F00133580-014-C98043-A7100

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Siemens 6SL3210-1PE21-1AL0

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MANUFACTURER SOURCE RECORD

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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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.