

APTER POWER PRODUCT MANUAL

6GK7343-1EX30-0XE0

SIMATIC NET CP 343-1 Ethernet Processor

The Siemens 6GK7343-1EX30-0XE0 is a SIMATIC NET CP 343-1 communication processor that connects a SIMATIC S7-300 station to Industrial Ethernet and PROFINET through an integrated two-port 10/100 Mbit/s switch.

It exchanges controller and process data using ISO and TCP/IP communication, PROFINET IO controller or device functions, S7 communication, fetch/write, SEND/RECEIVE with RFC1006, multicast, and DHCP. It operates with a compatible S7-300 CPU, Ethernet topology, STEP 7 project, and industrial network devices in production cells, utilities, process skids, and plant data integration.

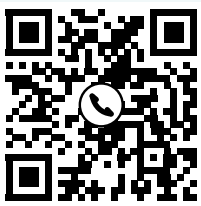
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Bring S7-300 control data onto PROFINET and Industrial Ethernet.

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SCAN FOR PRODUCT & QUOTE
6GK7343-1EX30-0XE0

1. Product Overview and Identity

The Siemens 6GK7343-1EX30-0XE0 is a SIMATIC NET CP 343-1 communication processor that connects a SIMATIC S7-300 station to Industrial Ethernet and PROFINET through an integrated two-port 10/100 Mbit/s switch.

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Model Configuration

Field	Verified information
Complete model	6GK7343-1EX30-0XE0
Manufacturer	Siemens
Product description	SIMATIC NET CP 343-1 Ethernet Processor

Key Features

- Exact Siemens MLFB 6GK7343-1EX30-0XE0
- SIMATIC NET CP 343-1 Ethernet Processor
- SIMATIC S7-300
- 2 x RJ45
- Model-specific lifecycle, weight, dimensions, and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SIMATIC NET CP 343-1 communication processor
Host system	SIMATIC S7-300
Ethernet ports	2 x RJ45
Port speed	10/100 Mbit/s
Integrated switch	2-port ERTEC 200
Industrial protocols	ISO, TCP/IP, RFC1006, S7 communication, PROFINET IO, DHCP, multicast
PROFINET roles	IO controller or IO device
Siemens net weight	0.297 kg
Siemens packaging dimensions	35 x 129 x 142 mm
Country of origin	Germany
Lifecycle	PM400; product phase-out announced since 1 October 2023

Verification Note

Use the complete 6GK7343-1EX30-0XE0 identifier. Siemens lists 6GK7343-1EX30-0XE0 in PM400 product phase-out status, effective 1 October 2023. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It exchanges controller and process data using ISO and TCP/IP communication, PROFINET IO controller or device functions, S7 communication, fetch/write, SEND/RECEIVE with RFC1006, multicast, and DHCP. It operates with a compatible S7-300 CPU, Ethernet topology, STEP 7 project, and industrial network devices in production cells, utilities, process skids, and plant data integration.
- Maintains the documented SIMATIC S7-300 Industrial Ethernet and PROFINET role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
S7-300 Ethernet integration	Connects an installed controller to plant Industrial Ethernet
PROFINET distributed I/O	Operates as an IO controller or device in the engineered topology
Controller data exchange	Carries S7, SEND/RECEIVE, fetch/write, or RFC1006 communication
Networked production cells	Provides two switched RJ45 ports for local automation connectivity

Compatible Components

- SIMATIC S7-300 CPU and rack configuration approved for CP 343-1
- STEP 7 hardware project matching the CP firmware and communication connections
- Industrial Ethernet switches, PROFINET devices, and cabling defined in the topology
- IP address, device name, S7 connections, and application blocks configured for the plant

Lifecycle Status

Siemens lists 6GK7343-1EX30-0XE0 in PM400 product phase-out status, effective 1 October 2023.

4. Installation Precautions

- CPU compatibility: Match S7-300 CPU, rack slot, CP hardware, firmware, and STEP 7 catalog
- Network record: Preserve IP address, device name, subnet, connections, and partner endpoints
- Topology: Verify both RJ45 paths, switch settings, cable category, shielding, and grounding
- Program blocks: Back up and test the communication blocks, connection IDs, and diagnostic handling
- Migration: Evaluate any successor CP as a network and software change, not a plug-in assumption

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product record for 6GK7343-1EX30-0XE0:

<https://mall.industry.siemens.com/mall/en/EN/Catalog/Product/6GK7343-1EX30-0XE0>

Apter Power product page

<https://www.apterpower.com/Siemens/6gk7343-1ex30-0xe0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.