

6GK1543-1AA01

Communication Processor

Siemens 6GK1543-1AA01 is a SIMATIC NET CP 5431 communications processor for connecting supported SIMATIC S5 systems to PROFIBUS FMS/DP. Match the bus configuration, rack interface and project data before replacement.

BRAND	Siemens	DOCUMENT	TECHNICAL REFERENCE
MODEL	6GK1543-1AA01	PRODUCT	Communication Processor
FAMILY	SIMATIC NET CP 5431 FMS/DP	SOURCE	Siemens product data for 6GK1543-1AA01 CP 5431 FMS/DP

MANUFACTURER SOURCE RECORD

SIMATIC NET CP 5431 FMS/DP Product Data
Siemens product data for 6GK1543-1AA01 CP 5431 FMS/DP

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6GK1543-1AA01

Product Overview

SYSTEM FUNCTION

Siemens 6GK1543-1AA01 is a SIMATIC NET CP 5431 communications processor for connecting supported SIMATIC S5 systems to PROFIBUS FMS/DP. Match the bus configuration, rack interface and project data before replacement.

FUNCTION 1

PROFIBUS FMS/DP

FUNCTION 2

SIMATIC S5 networking

FUNCTION 3

Communication offload

FUNCTION 4

Legacy CP replacement

TECHNICAL NOTE

Related Products on Apter Power

Use only the complete Siemens 6GK1543-1AA01 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter.

MODEL	APTER POWER PAGE
Siemens 6AU1455-2AD00-0AA0	View Siemens 6AU1455-2AD00-0AA0
Siemens 6AV2123-2DB03-0AX0	View Siemens 6AV2123-2DB03-0AX0
Siemens 6AV2124-0GC01-0AX0	View Siemens 6AV2124-0GC01-0AX0
Siemens 6AV2124-0JC01-0AX0	View Siemens 6AV2124-0JC01-0AX0
Siemens 6AV2124-0MC01-0AX0	View Siemens 6AV2124-0MC01-0AX0

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	6GK1543-1AA01
Processor type	CP 5431 FMS/DP
Network	PROFIBUS FMS/DP
Supported controller families	SIMATIC S5-115U/H, S5-135U and S5-155U/H
Documented example station	Passive SIMATIC S5-135U/155U partner with CPU 928
Documented FDL service	SDA (Send Data with Acknowledge) using free layer 2 access
Example active partner	SIMATIC S7-300 with CP 342-5

ENGINEERING BOUNDARY

Use only the complete Siemens 6GK1543-1AA01 identity and the current manufacturer documentation. Confirm installed hardware, wiring, firmware or parameter compatibility and the approved maintenance record before replacement or release.

Acceptance Path

1 IDENTITY

Siemens 6GK1543-1AA01 is recorded without abbreviation.

2 INTERFACE

Connectors, terminals and companion hardware match the approved record.

3 CONFIGURATION

Electrical, firmware and parameter values are verified.

4 OPERATION

Diagnostics and the controlled functional test are acceptable.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Distributed I/O	Connects approved PROFIBUS DP stations.
Controller networking	Provides documented SIMATIC S5 bus communication.
FMS messaging	Supports configured PROFIBUS FMS services.
Legacy maintenance	Preserves an installed CP 5431 network node.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Siemens 6GK1543-1AA01?	Siemens 6GK1543-1AA01 is a SIMATIC NET CP 5431 communications processor for connecting supported SIMATIC S5 systems to PROFIBUS FMS/DP. Match the bus configuration, rack interface and project data before replacement.
Which product family includes 6GK1543-1AA01?	The official manufacturer record identifies it within the SIMATIC NET CP 5431 FMS/DP family.
Which exact identity must be retained?	Record the complete Siemens 6GK1543-1AA01 marking; do not shorten or replace the suffix.
Which key technical value is documented?	Processor type: CP 5431 FMS/DP.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6AV2124-0QC02-0AX0	View Siemens 6AV2124-0QC02-0AX0
Siemens 6AV2124-0QC02-0AX1	View Siemens 6AV2124-0QC02-0AX1
Siemens 6AV2124-0UC24-1AX0-6AV7424-7GA03-0AS0	View Siemens 6AV2124-0UC24-1AX0-6AV7424-7GA03-0AS0
Siemens 6AV2124-1MC01-0AX0	View Siemens 6AV2124-1MC01-0AX0
Siemens 6AV3503-1DB10	View Siemens 6AV3503-1DB10

FAQ, Related Products and Source

QUESTION	ANSWER
What must be checked before removal?	Record the slot, connectors, terminals, companion hardware and configured function from the installed system.
Can a nearby model be substituted?	No. A different suffix or family member requires documented electrical, mechanical, firmware and interface approval.
What installation controls are required?	Use the current manufacturer procedure, approved maintenance state, ESD controls and the documented wiring and grounding arrangement.
What confirms successful commissioning?	Identity and connections match the record, diagnostics pass and the controlled functional test has no unexplained fault.

MANUFACTURER SOURCE RECORD

SIMATIC NET CP 5431 FMS/DP Product Data
Siemens product data for 6GK1543-1AA01 CP 5431 FMS/DP

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 6AV3617-1JC20-0AX1	View Siemens 6AV3617-1JC20-0AX1
Siemens 6AV3627-1LK00-1AX0	View Siemens 6AV3627-1LK00-1AX0
Siemens 6AV6542-0AG10-0AX0	View Siemens 6AV6542-0AG10-0AX0
Siemens 6AV6545-0DB10-0AX0	View Siemens 6AV6545-0DB10-0AX0
Siemens 6AV6640-0BA11-0AX0	View Siemens 6AV6640-0BA11-0AX0
Siemens 6AV6640-0CA11-0AX1	View Siemens 6AV6640-0CA11-0AX1
Siemens 6AV6642-0EA01-3AX0	View Siemens 6AV6642-0EA01-3AX0
Siemens 6AV6643-0CD01-1AX1	View Siemens 6AV6643-0CD01-1AX1
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