

Installation Identity and Scope

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6GK1543-1AA01
Manufacturer	Siemens
Hardware type	Communication Processor
System family	SIMATIC NET CP 5431 FMS/DP
Official source	Siemens product data for 6GK1543-1AA01 CP 5431 FMS/DP

CONTROLLED ENGINEERING COPY

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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39EAMCBN-A5E00282025-05	View Siemens 39EAMCBN-A5E00282025-05
Siemens 39MBXNAN-16180-1-14	View Siemens 39MBXNAN-16180-1-14
APTER POWER SALES TEAM WHATSAPP / PHONE +86 180 3023 5313 EMAIL sales13@apterpower.com WEBSITE www.apterpower.com  6GK1543-1AA01	

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Verify the complete Siemens 6GK1543-1AA01 marking before work.
2	Review the current Siemens source documentation and the installed-system record.
3	Record the slot, connector, terminal and companion-hardware arrangement before removal.
4	Place the controller, drive or machine in the approved maintenance state before handling.
5	Use ESD controls and protect keyed connectors, terminals and circuit-board components.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39RTMCAN-16207-61-11	View Siemens 39RTMCAN-16207-61-11
Siemens 39RTMCAN-16207-61-13	View Siemens 39RTMCAN-16207-61-13
Siemens 39SAMCAN-16133-71-04	View Siemens 39SAMCAN-16133-71-04
Siemens 39SAMCAN-16133-71-13	View Siemens 39SAMCAN-16133-71-13

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	6GK1543-1AA01
Physical interface	Supported SIMATIC S5 rack
Companion check	PROFIBUS cable and termination
Configuration	COM/project configuration
Functional proof	Bus diagnostics and controlled restart

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Identity	Record Siemens 6GK1543-1AA01 exactly.
Installed position	Record rack, slot and mounting orientation.
Connectors	Label every keyed connector and terminal.
Companion hardware	Verify the documented controller, rack or field device.
Power	Confirm supply and isolation requirements.
Configuration	Back up parameters, firmware and network settings where applicable.
Grounding	Restore shielding and protective grounding.
Function	Run diagnostics and the controlled functional test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39SAMCAN-16133-71-8	View Siemens 39SAMCAN-16133-71-8
Siemens 39SAMCAN-16133-71-9	View Siemens 39SAMCAN-16133-71-9
Siemens 39SDM024DCCBN-16101-174-8	View Siemens 39SDM024DCCBN-16101-174-8
Siemens 39VIMCCN-16171-126-3	View Siemens 39VIMCCN-16171-126-3
Siemens	View Siemens 39VIMCCN-16171-126-6

CONFIGURATION 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.

Expected Technical Values

PARAMETER	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

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	Siemens 6GK1543-1AA01 is recorded without abbreviation.
Interface	Connectors, terminals and companion hardware match the approved record.
Configuration	Electrical, firmware and parameter values are verified.
Operation	Diagnostics and the controlled functional test are acceptable.

Technical Questions to Resolve

QUESTION	ENGINEERING 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.

Related Products on Apter Power

Which key technical value is documented?	Processor type: CP 5431 FMS/DP.
MODEL	APTER POWER PAGE
Siemens 3RN2011-1BA30	View Siemens 3RN2011-1BA30
Siemens 3RT5044-1AN20	View Siemens 3RT5044-1AN20
Siemens 3RT6015-1BB41	View Siemens 3RT6015-1BB41
Siemens 3RT6024-1AN20	View Siemens 3RT6024-1AN20
Siemens 3RT6025-1AN20	View Siemens 3RT6025-1AN20
Siemens 3SK2122-1AA10	View Siemens 3SK2122-1AA10

Source, Related Products and Release

MODEL	APTER POWER PAGE
Siemens 3TF5422-0XM0	View Siemens 3TF5422-0XM0
Siemens 3TY7540-0A	View Siemens 3TY7540-0A
Siemens 3TY7560-0A	View Siemens 3TY7560-0A
Siemens 3VL9300-3HF05	View Siemens 3VL9300-3HF05
Siemens 505-7003	View Siemens 505-7003
Siemens 562-001	View Siemens 562-001
Siemens 6AG1195-7HD10-2XA0	View Siemens 6AG1195-7HD10-2XA0
Siemens 6AR1304-0CA00-0AA0	View Siemens 6AR1304-0CA00-0AA0
Siemens 6AR1306-0DC00-0AA0	View Siemens 6AR1306-0DC00-0AA0
Siemens 6AU1435-2AD00-0AA0	View Siemens 6AU1435-2AD00-0AA0

MANUFACTURER SOURCE RECORD

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

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	6GK1543-1AA01 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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