

INDUSTRIAL AUTOMATION PRODUCT

6GK5206-2BS00-2AC2

SCALANCE XC206-2SFP Managed Industrial Ethernet Switch

Siemens 6GK5206-2BS00-2AC2 is a SCALANCE XC206-2SFP managed Layer 2 Industrial Ethernet switch with six electrical ports and two SFP interfaces. It connects, segments and supervises industrial Ethernet and PROFINET netwo

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	Siemens SCALANCE XC-200 managed switches
Part number	6GK5206-2BS00-2AC2
Product role	Segments industrial Ethernet traffic through a managed switching fabric
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Mount 6GK5206-2BS00-2AC2 on the approved DIN rail, S7 rail or wall position and connect both redundant supply paths to the documented four-pole terminal block. Restore the approved VLAN, redundancy, PROFINET and C-PLUG config

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Technical Specifications

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

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	SCALANCE XC206-2SFP	Power connection	4-pole terminal block
Electrical ports	6 × 10/100 Mbit/s RJ45	C-PLUG slot	Yes
SFP ports	2 × 100/1000 Mbit/s	Protocols and profiles	PROFINET IO device; EtherNet/IP-compliant; RSTP; VLAN
Console ports	1	Operating temperature	-40 to +70 °C
Power supply	Redundant	Mounting	DIN rail; S7 mounting rail; wall
Signaling-contact voltage	24 V DC	Security certification	IEC 62443-4-2
Signaling-contact current	0.1 A maximum		

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Siemens SCALANCE XC-200 managed switches
Primary system role	Segments industrial Ethernet traffic through a managed switching fabric
Connection boundary	Mount 6GK5206-2BS00-2AC2 on the approved DIN rail, S7 rail or wall position and connect both redundant supply paths to the documented four-pole terminal block. Restore the approved VLAN, redundancy, PROFINET and C-PLUG config
Controlled acceptance duty	PROFINET controller cells

ENGINEERING BOUNDARY

Confirm 6GK5206-2BS00-2AC2, XC206-2SFP hardware and firmware, mounting method, redundant 24 V supplies, protective bonding, RJ45 port map, SFP types, fiber polarity, C-PLUG, console access, PROFINET name, IP settings, VLAN and redundancy configuration, signaling contact and failover-t

Pre-Installation Checks

1	Confirm the complete 6GK5206-2BS00-2AC2 marking and installed XC-200 hardware version.	2	Archive the switch configuration, port map, VLANs and redundancy settings.
3	Isolate both redundant supply inputs and verify the signaling circuit is de-energized.	4	Record every RJ45, SFP, console and grounding connection before removal.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	6GK5206-2BS00-2AC2
Installed host	Siemens SCALANCE XC-200 managed switches
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

Siemens 6GK5206-2BS00-2AC2 is a SCALANCE XC206-2SFP managed Layer 2 Industrial Ethernet switch with six electrical ports and two SFP interfaces. It connects, segments and supervises industrial Ethernet and PROFINET netwo

FUNCTION 1

Segments industrial Ethernet traffic through a managed switching fabric

FUNCTION 2

Extends the cell network over selectable optical media

FUNCTION 3

Supports redundant network and supply concepts

FUNCTION 4

Reports port, supply and signaling-contact diagnostics

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	Siemens SCALANCE XC-200 managed switches
2	6 × 10/100 Mbit/s RJ45
3	PROFINET controller cells
4	Mount 6GK5206-2BS00-2AC2 on the approved DIN rail, S7 rail or wall position and connect both redundant supply paths to the documented four-pole terminal block. Restore the approved VLAN, redundancy, PROFINET and C-PLUG config

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Siemens SCALANCE XC-200 managed switches
Interface role	Segments industrial Ethernet traffic through a managed switching fabric
Field / power context	The switch connects six 10/100 Mbit/s electrical links and two 100/1000 Mbit/s SFP links within the engineered network. Commissioning includes mounting and bonding checks, redundant power verification, SFP compatibility, C-PLUG ha
Commissioning evidence	Prove network-path recovery and monitored-device communication before release.

Installation and Connection Checks

1

Use compatible SFP modules and keep optical interfaces clean and capped.

2

Restore the approved C-PLUG, PROFINET device name and management configuration.

3

Verify port speed, VLAN membership, ring state and alarm contact operation.

4

Prove network-path recovery and monitored-device communication before release.

MANUFACTURER SOURCE RECORD

SCALANCE XC206-2SFP Product Data Sheet and SCALANCE XC-200 Operating Ins
Siemens MLFB 6GK5206-2BS00-2AC2; C79000-G8976-C442-16, 06/2025

Applications and Engineering Context

PROFINET controller cells

Connects controllers, I/O stations and operator devices in a managed cell network.

Fiber uplinks between cabinets

Uses selected SFP media to extend the industrial network between panels.

Redundant ring architectures

Participates in the approved redundancy arrangement for controlled path recovery.

Harsh-environment machine networks

Provides managed switching in the documented extended-temperature installation.

TECHNICAL NOTE

Mount 6GK5206-2BS00-2AC2 on the approved DIN rail, S7 rail or wall position and connect both redundant supply paths to the documented four-pole terminal block. Restore the approved VLAN, redundancy, PROFINET and C-PLUG config

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	6GK5206-2BS00-2AC2 recorded
Host / carrier	Siemens SCALANCE XC-200 managed switches
Physical interface	Segments industrial Ethernet traffic through a managed switching fabric
Configuration	Verify port speed, VLAN membership, ring state and alarm contact operation.
Functional proof	Prove network-path recovery and monitored-device communication before release.

IMPORTANT NOTICE

Confirm 6GK5206-2BS00-2AC2, XC206-2SFP hardware and firmware, mounting method, redundant 24 V supplies, protective bonding, RJ45 port map, SFP types, fiber polarity, C-PLUG, console access, PROFINET name, IP settings, VLAN and redundancy configuration, signaling contact and failover-t

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	6GK5206-2BS00-2AC2
Approved role	PROFINET controller cells
Final validation	Prove network-path recovery and monitored-device communication before release.

Engineering Precautions

- 1

Confirm the complete 6GK5206-2BS00-2AC2 marking and installed XC-200 hardware version.
- 2

Archive the switch configuration, port map, VLANs and redundancy settings.
- 3

Isolate both redundant supply inputs and verify the signaling circuit is de-energized.
- 4

Record every RJ45, SFP, console and grounding connection before removal.
- 5

Use compatible SFP modules and keep optical interfaces clean and capped.
- 6

Restore the approved C-PLUG, PROFINET device name and management configuration.
- 7

Verify port speed, VLAN membership, ring state and alarm contact operation.
- 8

Prove network-path recovery and monitored-device communication before release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
6SL3362-0AG00-0AA1	drive component	View 6SL3362-0AG00-0AA1 page
6SL3352-1AE37-5BA1	replacement power block	View 6SL3352-1AE37-5BA1 page
6SL3200-0SP01-0AA0	CIM PM-IF assembly	View 6SL3200-0SP01-0AA0 page
6SE7041-8HK85-1HA0	PER2 interface	View 6SE7041-8HK85-1HA0 page
6SE7041-8EK85-0HA0	PER3 interface	View 6SE7041-8EK85-0HA0 page
6SE7041-8GK85-0HA0	PER3 interface	View 6SE7041-8GK85-0HA0 page
6RA8075-6DS22-0AA0	DC converter	View 6RA8075-6DS22-0AA0 page
6ES7314-6BH04-0AB0	S7-300 CPU	View 6ES7314-6BH04-0AB0 page

MANUFACTURER SOURCE RECORD

SCALANCE XC206-2SFP Product Data Sheet and SCALANCE XC-200 Operating Ins
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