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

BRAND	Siemens	FAMILY	Siemens SCALANCE XC-200 managed switches
PART	6GK5206-2BS00-2AC2	SYSTEM ROLE	Segments industrial Ethernet traffic through a managed switching fabric

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6GK5206-2BS00-2AC2

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Siemens SCALANCE XC-200 managed switches
Primary interface	Segments industrial Ethernet traffic through a managed switching fabric
Engineering 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 duty	Prove network-path recovery and monitored-device communication before release.

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

Technical Data

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		

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER 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
6ES7223-1BL22-0XA0	S7-200 I/O	View 6ES7223-1BL22-0XA0 page
6AU1455-2AD00-0AA0	SIMOTION controller	View 6AU1455-2AD00-0AA0 page

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

Applications and Precautions

Common Applications

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.

Product 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.

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

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	6GK5206-2BS00-2AC2
Configuration	Verify port speed, VLAN membership, ring state and alarm contact operation.
Functional release	Prove network-path recovery and monitored-device communication before release.

Engineer FAQ

Q1 **What exact function does 6GK5206-2BS00-2AC2 perform as a SCALANCE XC206-2SFP Managed Industrial Ethernet Switch?**

It provides managed Layer 2 copper and SFP switching for the configured industrial Ethernet cell.

Q2 **Which host system must be confirmed before installing 6GK5206-2BS00-2AC2?**

Confirm the documented Siemens SCALANCE XC-200 managed switches host and the complete 6GK5206-2BS00-2AC2 marking before work.

Q3 **Which connection checks are required for 6GK5206-2BS00-2AC2?**

Verify both supply paths, bonding, RJ45 connections, SFP modules, fiber polarity and the signaling contact.

Q4 **How should the installed configuration for 6GK5206-2BS00-2AC2 be preserved?**

Restore the approved C-PLUG and management, PROFINET, VLAN and redundancy settings.

Q5 **Which diagnostic evidence should be reviewed for 6GK5206-2BS00-2AC2?**

Review link, port, supply, redundancy and signaling-contact diagnostics.

Q6 **What must be recorded before replacing 6GK5206-2BS00-2AC2?**

Record the full article number, hardware and firmware, port map, optics, addresses, VLANs and redundancy state.

Q7 **How should 6GK5206-2BS00-2AC2 be commissioned after installation?**

Energize both supplies, verify links and management access, then test the approved redundancy path.

Q8 **Which model-specific limitation applies to 6GK5206-2BS00-2AC2?**

SFP selection, port assignment and C-PLUG data must match the installed XC206-2SFP configuration.

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