

6GK5206-2BS00-2AC2

SCALANCE XC206-2SFP Managed Industrial Ethernet Switch

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

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

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Siemens article.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



6GK5206-2BS00-2AC2

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 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.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	6GK5206-2BS00-2AC2
Host / carrier	Siemens SCALANCE XC-200 managed switches
Primary system role	Segments industrial Ethernet traffic through a managed switching fabric
Acceptance boundary	Prove network-path recovery and monitored-device communication before release.
Source record	SCALANCE XC206-2SFP Product Data Sheet and SCALANCE XC-200 Operating Ins

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

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

- 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.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

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

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	6GK5206-2BS00-2AC2
Host match	Siemens SCALANCE XC-200 managed switches
Connection proof	Restore the approved C-PLUG, PROFINET device name and management configuration.
Configuration proof	Verify port speed, VLAN membership, ring state and alarm contact operation.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

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

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

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.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER 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
6SL3120-2TE21-0AA4	motor module	View 6SL3120-2TE21-0AA4 page
6SL3320-1TE33-1AA3	motor module	View 6SL3320-1TE33-1AA3 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

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

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



6GK5206-2BS00-2AC2