

Product dashboard

Siemens 6GK5308-2FM10-2AA3 is a SCALANCE X308-2LD managed Industrial Ethernet switch with seven 10/100 Mbit/s RJ45 ports, one 10/100/1000 Mbit/s RJ45 port and two 1000 Mbit/s single-mode SC fiber ports.

Exact model

6GK5308-2FM10-2AA3

Product type

Managed Ethernet Switch

System family

SCALANCE X-300

Functional role

Industrial Ethernet Switch

PARAMETER	DOCUMENTED VALUE
Exact article	6GK5308-2FM10-2AA3
Product type	SCALANCE X308-2LD managed plus IE switch
10/100 RJ45 ports	7
10/100/1000 RJ45 ports	1
1000 Mbit/s optical ports	2 single-mode SC
Network functions	RSTP, VLAN and IGMP
PROFINET role	PROFINET IO device
Redundancy	Integrated redundancy manager

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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6GK5308-2FM10-2AA3

System overview

In a resilient plant network, Siemens 6GK5308-2FM10-2AA3 coordinates copper and long-distance single-mode fiber segments while retaining managed switching and ring-control functions.

- Fiber-linked control cells**

Connects separated automation areas through two single-mode gigabit SC routes.
- Managed plant backbones**

Segments copper devices with VLAN and monitored switching functions.
- Redundant Ethernet rings**

Operates in the assigned ring role with the integrated redundancy manager.
- PROFINET infrastructure**

Presents the configured switch as a PROFINET IO device for diagnostic visibility.

SYSTEM POSITION		RECORD
Installed identity		6GK5308-2FM10-2AA3

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6GK5308-2FM10-2AA3

Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6GK5308-2FM10-2AA3
Product type	SCALANCE X308-2LD managed plus IE switch
10/100 RJ45 ports	7
10/100/1000 RJ45 ports	1
1000 Mbit/s optical ports	2 single-mode SC
Network functions	RSTP, VLAN and IGMP
PROFINET role	PROFINET IO device
Redundancy	Integrated redundancy manager
Configuration storage	C-PLUG supplied
Local diagnostics	LED indications and Select/Set pushbutton
External alarm	Error signaling contact
Supply range	18 to 32 V DC
Maximum current	0.4 A
Power connection	4-pole terminal block
CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	managed Ethernet switching between copper access ports and single-mode gigabit fiber paths

Technical evidence record: Siemens Industry Mall product record and technical data sheet for 6GK5308-2FM10-2AA3;

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Applications and precautions

1

Confirm the complete 6GK5308-2FM10-2AA3 marking and X308-2LD identity before work.

2

Export the active configuration and record the installed C-PLUG before isolation.

3

Label all seven Fast Ethernet ports, the gigabit RJ45 port and both SC fiber routes.

4

Verify that each optical path uses the retained single-mode SC connection.

5

Prove both 18-32 V DC supply paths and the signaling-contact circuit safe.

6

Restore the ring-manager role, VLAN, RSTP, IGMP and PROFINET assignments.

7

Compare LED states and the error signaling contact after energization.

8

Test copper forwarding, both fiber uplinks and redundancy recovery before release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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6GK5308-2FM10-2AA3

Buyer and engineering FAQ

How many copper ports does Siemens 6GK5308-2FM10-2AA3 provide?

It provides seven 10/100 Mbit/s RJ45 ports and one 10/100/1000 Mbit/s RJ45 port.

Which fiber interfaces are fitted to Siemens 6GK5308-2FM10-2AA3?

Two 1000 Mbit/s single-mode SC ports form the optical interface set.

Which managed network functions are available on Siemens 6GK5308-2FM10-2AA3?

The product record includes RSTP, VLAN, IGMP, network management and an integrated redundancy manager.

Does Siemens 6GK5308-2FM10-2AA3 operate as a PROFINET device?

Yes. The switch includes a PROFINET IO device role for the configured automation network.

Related Apter Power pages

[Siemens 6GK5206-2BD00-2AC2](#)

[Siemens 6GK1571-0BA00-0AA0](#)

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