

Siemens

6GK5308-2FM10-2AA3

Managed Ethernet Switch

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.

System position

Exact identity 6GK5308-2FM10-2AA3	System family SCALANCE X-300	Functional role Industrial Ethernet Switch	Release basis Recorded test and diagnostics
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Keep the hardware and configuration identities together

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.

IDENTITY / RESOURCE	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

Technical evidence record: Siemens Industry Mall product record and technical data sheet for 6GK5308-2FM10-2AA3; SCALANCE X-300

CONTACT APTER POWER

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



6GK5308-2FM10-2AA3

Interfaces and integration

Define the installed role

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

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Map the host relationship

The complete 6GK5308-2FM10-2AA3 identity is matched to the host position, companion hardware and retained engineering record before any connection is disturbed.

Host	SCALANCE X-300
Primary role	managed Ethernet switching between copper access
Acceptance	Diagnostics and functional response

Interface control matrix

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Electrical	Power, field wiring and protective earth
Communication	Address, network and companion configuration
Configuration	Switches, parameters, project and revision
Release	Controlled test with retained result

Configuration continuity

Retain the recorded SCALANCE X-300 position, connected interfaces and configuration baseline.

Acceptance evidence

Release 6GK5308-2FM10-2AA3 only after diagnostics and a controlled functional result are

Technical resource bands

Only values tied to the complete product identity are listed. Installation-specific settings remain governed by the controlled site record.

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10/100 RJ45 ports	7
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1000 Mbit/s optical ports	2 single-mode SC
Network functions	RSTP, VLAN and IGMP
PROFINET role	PROFINET IO device
Redundancy	Integrated redundancy manager

PARAMETER	VALUE
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
Operating class	Managed Layer 2 industrial Ethernet
Lifecycle note	Phase-out announced 30 December 2023

Identity decision

Accept only the complete 6GK5308-2FM10-2AA3 marking and the recorded hardware execution.

Host decision

Confirm the receiving SCALANCE X-300 position and every companion component.

Interface decision

Compare mechanical fit, power, field wiring, communication and protective earth.

Release decision

Record diagnostics and a controlled test of managed Ethernet switching between copper access ports and single-mode gigabit fiber paths before handover.

Engineering boundary

Use 6GK5308-2FM10-2AA3 only after the exact host, installed position, companion parts, protection measures and commissioning record have been matched. Do not borrow ratings from a similar-looking variant.

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6GK5308-2FM10-2AA3

Controls and service logic

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.

Service decision path

STEP	REQUIRED OUTCOME
1. Identify	Read 6GK5308-2FM10-2AA3 and all companion markings
2. Compare	Host, position, connections, settings and revision
3. Install	Restore wiring, shielding, retention and protection
4. Verify	Review diagnostics and execute controlled function test

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Engineering decisions

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.

What stores the configuration for Siemens 6GK5308-2FM10-2AA3?

A C-PLUG is included for retaining and transferring the approved device configuration.

How is a fault reported by Siemens 6GK5308-2FM10-2AA3?

Local LED diagnostics and an error signaling contact provide the two principal indication paths.

Related Apter Power pages

Siemens 6GK5208-0BA00-2AB2

Siemens 6GK5206-2BS00-2AC2

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