

SCALANCE X INDUSTRIAL ETHERNET SWITCHES

Product Data Sheet

6GK5202-2BB10-2BA3

managed Industrial Ethernet switch

FUNCTION	FAMILY	ORIGIN	WEIGHT
managed Industrial Ethernet switch	SCALANCE X Industrial Ethernet switch	Germany	Confirm before dispatch

Siemens SCALANCE 6GK5202-2BB10-2BA3 is a managed Industrial Ethernet switch for the SCALANCE X Industrial Ethernet switches. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6GK5202-2BB10-2BA3
Product Class	Managed Industrial Ethernet Switch
Product Family	SCALANCE X Industrial Ethernet switches
Port Configuration	2 × 10/100 RJ45 + 2 × 100 fiber
Fiber Interface	Industrial Ethernet
Switching Method	Store and forward
Ethernet Rate	10 / 100 Mbit/s
PROFINET Role	IO device diagnostics
Redundancy	MRP / ring manager
Management	SNMP and web management

ADDITIONAL PRODUCT DATA

Supply Class	24 V DC
Protection Class	IP20
Alarm Output	Signaling contact
Configuration	C-PLUG support

OFFICIAL APPLICATIONS

- Protect conveyor-control networking during routing-table update: Inside the zone controllers, scanners and merge stations, 6GK5202-2BB10-2BA3 operates in its approved product-family role as a managed Industrial Ethernet switch. During routing-table update, the system uses this function to exchange destination and congestion status between conveyor zones, helping it move material without losing its route.
- Manage carrier identification exchange during carrier handoff: Within the readers, conveyor controls and tracking servers, 6GK5202-2BB10-2BA3 handles its designated signal or control duty as a managed Industrial Ethernet switch. During carrier handoff, the system uses this function to move identity and route data with the carrier, helping it send the carrier to the intended operation.
- Stabilize cell-network segmentation during line expansion: In the automation chain for the controllers, HMIs and drive nodes, 6GK5202-2BB10-2BA3 handles its designated signal or control duty as a managed Industrial Ethernet switch. During line expansion, the system uses this function to carry deterministic control traffic across the assigned segment, helping it keep cell communication predictable.

SYSTEM COMPATIBILITY

Match 6GK5202-2BB10-2BA3 to the installed SCALANCE X Industrial Ethernet switches, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6GK5202-2BB10-2BA3>

AMIKON PRODUCT SUPPORT

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