

INDUSTRIAL AUTOMATION PRODUCT

6GK5213-3BB00-2TB2

SCALANCE XB213-3 Managed Layer 2 Industrial Ethernet Switch

Siemens 6GK5213-3BB00-2TB2 is a SCALANCE XB213-3 managed Layer 2 Industrial Ethernet switch with thirteen 10/100 Mbit/s RJ45 ports and three multimode ST fiber ports. It provides an EtherNet/IP-default network node with redundant 24 V DC supply connections for DIN-rail installations.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	Siemens SCALANCE XB-200 managed
Part number	6GK5213-3BB00-2TB2
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 6GK5213-3BB00-2TB2 only in the documented Siemens SCALANCE XB-200 managed position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and managed Layer 2 switching between copper and multimode fiber segments in an EtherNet/IP industrial network before service release.

System Role and Architecture

Siemens 6GK5213-3BB00-2TB2 is a SCALANCE XB213-3 managed Layer 2 Industrial Ethernet switch with thirteen 10/100 Mbit/s RJ45 ports and three multimode ST fiber ports. It provides an EtherNet/IP-default network node with redundant 24 V DC supply connections for DIN-rail installations.

FUNCTION 1
Thirteen 10/100 Mbit/s RJ45 ports

FUNCTION 2
Three multimode ST 100BaseFX ports

FUNCTION 3
EtherNet/IP-default managed switching

FUNCTION 4
Redundant 24 V DC supply input

RELATED APTER POWER PAGES

1 Siemens 6RY1243-0EA00

2 Siemens 6SE7027-2TD84-6HF3

3 Siemens 6RY1803-0AA25-0AA1

4 Siemens 6SE7035-1EJ84-1JC1

5 Siemens 6SE7033-7EG84-1JF1

6 Siemens 6SL3352-6TG38-8AA3

7 Siemens 6SE7041-2WL84-1JC1

8 Siemens 6SL3120-2TE21-8AC0

9 Siemens 6RY1803-1DA04

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Siemens SCALANCE XB-200 managed
02	Matched Siemens host rack, controller or industrial network
03	Documented power, communication, synchronization and grounding interfaces
04	Approved engineering project, managed configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Siemens SCALANCE XB-200 managed
Interface role	managed Layer 2 switching between copper and multimode fiber segments in an EtherNet/IP industrial
Field / power context	documented Siemens industrial control or network cabinet position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

1 Confirm the exact 6GK5213-3BB00-2TB2 marking and documented SCALANCE XB213-3 Managed Layer 2 Industrial Ethernet Switch execution.

2 Place the controller, network and affected process in the approved maintenance state.

3 Isolate power and field interfaces; prove the safe state before disconnecting hardware.

4 Record every port, terminal, module position, configuration file and active diagnostic.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product type	SCALANCE XB213-3	Maximum current consumption	0.41 A
Switch class	Managed Layer 2 Industrial Ethernet switch	Rated power loss	9.8 W
Copper network ports	13 x RJ45	Power connection	6-pole terminal block
Copper transfer rate	10 / 100 Mbit/s	Operating temperature	0 to 60 degC
Optical ports	3 x multimode ST (BFOC)	Storage and transport temperature	-40 to 70 degC
Optical transmission	100BaseFX	Operating humidity	95% maximum at 25 degC, non-condensing
Console interface	1 x RJ11	Degree of protection	IP20
Default industrial protocol	EtherNet/IP	Installation	35 mm DIN-rail mounting
Supply design	Redundant 24 V DC input	Security certification	IEC 62443-4-2 certified
Supply voltage range	19.2 to 28.8 V DC		

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8 Siemens 6SL3120-2TE21-8AC0

9 Siemens 6RY1803-1DA04

ENGINEERING BOUNDARY

Confirm 6GK5213-3BB00-2TB2, its exact Siemens SCALANCE XB-200 managed host, power source, installed position, interfaces, firmware or project configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the exact 6GK5213-3BB00-2TB2 marking and documented SCALANCE XB213-3 Managed Layer 2 Industrial Ethernet Switch
- 2

Place the controller, network and affected process in the approved maintenance state.
- 3

Isolate power and field interfaces; prove the safe state before disconnecting hardware.
- 4

Record every port, terminal, module position, configuration file and active diagnostic.

Applications and Engineering Context

EtherNet/IP machine network aggregation

Connects controller, HMI and field-device copper links while retaining managed diagnostics.

Copper-to-multimode fiber transition

Extends plant segments through three ST 100BaseFX links from one managed switch.

Redundant control-cabinet networking

Uses the dual-feed 24 V DC terminal arrangement to maintain the documented supply architecture.

Industrial network commissioning

Supports controlled port-map restoration, link diagnosis and managed network acceptance.

TECHNICAL NOTE

Install 6GK5213-3BB00-2TB2 only in the documented Siemens SCALANCE XB-200 managed position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and managed Layer 2 switching between copper and multimode fiber segments in an EtherNet/IP industrial network before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6GK5213-3BB00-2TB2 recorded
Host / carrier	Siemens SCALANCE XB-200 managed
Physical interface	Installed ports, terminals and communications matched to the as-found record
Configuration	Approved Siemens hardware and network configuration restored
Functional proof	Controlled test confirms managed Layer 2 switching between copper and multimode fiber segments in an EtherNet/IP industrial network

IMPORTANT NOTICE

Confirm 6GK5213-3BB00-2TB2, its exact Siemens SCALANCE XB-200 managed host, power source, installed position, interfaces, firmware or project configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6RY1243-0EA00

View Siemens 6RY1243-0EA00 page

2

Siemens 6SE7027-2TD84-6HF3

View Siemens 6SE7027-2TD84-6HF3 page

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View Siemens 6SL3120-2TE21-8AC0 page

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Siemens 6RY1803-1DA04

View Siemens 6RY1803-1DA04 page

MANUFACTURER SOURCE RECORD

Siemens Data Sheet 6GK5213-3BB00-2TB2, dated 3 February 2026 | Siemens official exact-article data sheet, verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.