

SIMATIC NET OPTICAL NETWORKS

Product Data Sheet

6GK1105-2AB10

optical Industrial Ethernet switch

FUNCTION optical Industrial Ethernet switch	FAMILY SIMATIC NET optical networks	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens SCALANCE 6GK1105-2AB10 is a optical Industrial Ethernet switch for the SIMATIC NET optical networks. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6GK1105-2AB10
Product Class	Optical Industrial Ethernet Switch
Product Family	SIMATIC NET optical networks
Network Type	Industrial Ethernet
Host Interface	Industrial optical bus
Transfer Rate	10 Mbit/s
Communication Services	S7 / PROFINET communication
Driver Support	SIMATIC NET software
Diagnostic Interface	Local status LEDs
Supply Source	Host bus / industrial supply

ADDITIONAL PRODUCT DATA

Connector Type	RJ45 / optical interface
Isolation	Galvanically isolated network
Configuration	SIMATIC NET tools
Operating Role	PC station communications

OFFICIAL APPLICATIONS

- Balance treatment-area fiber ring during single-link interruption: Inside the managed switches and process-area controllers, 6GK1105-2AB10 provides its specified system function as a optical Industrial Ethernet switch. During single-link interruption, the system uses this function to move process traffic over the remaining network path, helping it keep the treatment process visible during the link event.
- Observe machine-data collection with Optical Industrial: During operation of the machine gateways and production databases, 6GK1105-2AB10 provides its specified system function as a optical Industrial Ethernet switch. During diagnostic polling, the system uses this function to separate production data from time-critical control messages, helping it deliver operating records without disturbing control traffic.
- Govern packaging-cell networking during format change: As part of the packers, labelers and palletizer controls, 6GK1105-2AB10 handles its designated signal or control duty as a optical Industrial Ethernet switch. During format change, the system uses this function to keep machine-to-machine status available through the change, helping it coordinate the packaging sequence after the change.

SYSTEM COMPATIBILITY

Match 6GK1105-2AB10 to the installed SIMATIC NET optical networks, 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/6GK1105-2AB10>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM