

SIMATIC NET OPTICAL NETWORKS

Product Data Sheet

6GK1105-2AA10

OSM ITP62 optical Industrial Ethernet switch

FUNCTION	FAMILY	ORIGIN	WEIGHT
OSM ITP62 optical Industrial Ethernet	SIMATIC NET optical networks	Germany	Confirm before dispatch

Siemens SCALANCE 6GK1105-2AA10 is a OSM ITP62 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	6GK1105-2AA10
Product Class	Osm Itp62 Optical Industrial Ethernet Switch
Product Family	SIMATIC NET optical networks
Ethernet Rate	10/100 Mbit/s
Network Standard	IEEE 802.3 / PROFINET
Supply Voltage	24 V DC
Redundancy	MRP or rapid spanning tree
Diagnostics	SNMP and web management
Configuration	STEP 7 / Primary Setup Tool
Alarm Contact	Floating signaling contact

Mounting	DIN rail / S7 rail
Protection Class	IP20 or industrial enclosure
Operating Temperature	0 to +60 °C class

- Manage body-shop ring communication during network-path failover: During operation of the managed switches, cell controllers and line servers, 6GK1105-2AA10 handles its designated signal or control duty as a OSM ITP62 optical Industrial Ethernet switch. During network-path failover, the system uses this function to preserve line communications over the alternate path, helping it keep body movement coordinated through the event.
- Protect redundant ring operation with Osm Itp62: Inside the managed switches and fiber uplinks, 6GK1105-2AA10 performs its assigned control role as a OSM ITP62 optical Industrial Ethernet switch. During path failover, the system uses this function to maintain an alternate communication path after a link event, helping it preserve process visibility during the network event.
- Sequence filling-line communication with Osm Itp62: At the control layer of the fillers, checkweighers and line controllers, 6GK1105-2AA10 supports the configured automation role as a OSM ITP62 optical Industrial Ethernet switch. During line-speed change, the system uses this function to carry cyclic control and diagnostic traffic between line devices, helping it keep filling and inspection events synchronized.

Match 6GK1105-2AA10 to the installed SIMATIC NET optical networks, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

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

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6GK1105-2AA10>