

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SCALANCE

6GK5307-3BL00-2AA3

MANAGED INDUSTRIAL ETHERNET SWITCH

Used with the applicable SCALANCE X307-3 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

Product-type designation	SCALANCE X307-3
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SCALANCE X307-3,
MANAGED PLUS IE SWITCH,
3 X 1000MBIT/S MM SC AND 7 X 10/100MBIT/S RJ45
PORTS,
LED DIAGNOSTICS,
FAULT SIGNAL. CONTACT WITH SELECT/SET BUTTON,
PROFINET-IO DEVICE, NETWORK MANAGEMENT,
INTEGRATED REDUNDANCY MANAGER,
OFFICE FEATURES (RSTP, VLAN, IGMP,...) C-PLUG IN
SCOPE OF SUPPLY

Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Transfer rate / 3	1000 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	10
Number of electrical connections	
• for network components and terminal equipment	7
• for alarm contact	1
• for power supply	1
• for redundant power supply	2
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
Number of optical interfaces / for optical waveguide	
• at 1000 Mbit/s	3
Design of optical interface / for optical waveguide	
• at 1000 Mbit/s	SC port (multimode up to 0.75 km)

Connectable optical power relative to 1 mW	
• of the transmitter output	-9.5 ... -4 dB
• of the receiver input / maximum	-3 dB
Optical sensitivity relative to 1 mW / of the receiver input / minimum	-17 dB
Attenuation / of fiber-optic cable transmission link / minimum necessary	0 dB
Range / at the optical interface / depending on the optical fiber used	0 ... 0.75 km
design of the removable storage / C-PLUG	Yes
Inputs/outputs	
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of supply voltage / redundant power supply unit	No
Type of voltage / of supply voltage	DC
Supply voltage	
• external	24 V
• external	18 ... 32 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.4 A
Power loss	
• at 24 V / for DC	9.6 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-10 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP30
Design, dimensions and weight	
Design	compact
Width	120 mm
Height	125 mm
Depth	123 mm
Net weight	1.4 kg
Type of mounting	
• Installation 19 inch	No
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes

Type of mounting	When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted
Product properties, functions, components / general	
Cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\~s	50
Cascading in cases of star structuring	Any (depending only on signal propagation time)
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• RMON	Yes
• Port mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance	
• I&M0 - device-specific information	Yes
• I&M1 - plant identification/location name	Yes
Product functions / Diagnosis	
Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes