SIEMENS

Data sheet   **6GK5308-2QG10-2AA2**

SCALANCE X308-2M PoE; managed IE switch, compact; 4x 10/100/1000 Mbit/s for RJ45 ports electrical with PoE; 2x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics, error signaling Contact with select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager, office features (RSTP, VLAN, IGMP,..) C-plug in scope of supply.

product type designation	
product brand name	SCALANCE
product type designation	X308-2M PoE
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for Power-over-Ethernet / for network components or terminal equipment	4
number of 10/100/1000 Mbit/s RJ45 ports	
● with securing collar	4
interfaces / for communication / plug-in	
number of 10/100/1000 Mbit/s RJ45 ports	4
● with securing collar	4
● for VD mode of operation / with securing collar	4
number of 10/100/1000 Mbit/s M12-ports (X-coded)	4
number of 100 Mbit/s SC-RJ-ports / for POF FOC	4
number of 100 Mbit/s ST(BFOC) ports	
● for multimode	4
● for single mode (LD)	4
number of 100 Mbit/s SC ports	
● for multimode	4
● for single mode (LD)	4
● for single mode (LH+)	4
number of 1000 Mbit/s SC ports	
● for multimode	4
● for single mode (LD)	4
● for single mode (LH)	4
● for single mode (LH+)	4
number of 100 Mbit/s LC ports	
● for multimode	4
● for single mode (LD)	4
● for single mode (LH+)	4
● for single mode (ELH200)	4
number of 1000 Mbit/s LC ports	
● for multimode	4
● for single mode (LD)	4
● for single mode (LH)	4
● for single mode (LH+)	4
● for single mode (ELH)	4

10/4/2025

number of electrical connections	
● for SFP	4

number of electrical connections	
● for signaling contact	1
● for media module	2
● for power supply	1
type of electrical connection	
● for signaling contact	2-pole terminal block
● for power supply	4-pole terminal block
design of the removable storage	
● C-PLUG	Yes
operating voltage / of the signaling contacts	
● at DC / rated value	24 V
operational current / of the signaling contacts	
● at DC / maximum	0.1 A

supply voltage, current consumption, power loss

product component / connection for redundant voltage supply	Yes
type of voltage supply / redundant power supply unit	No
supplied active power / of PSE / with PoE	
● per port / maximum	15.4 W
● total / maximum	30.8 W
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	17 W
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	2 A
● type of electrical connection / 1 / for power supply	4-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	F 3 A / 32 V

ambient conditions

ambient temperature	
● during operation	-40 ... +60 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C
● note	With vertical installation, the maximum operating temperature is reduced to 60 °C.
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights

design	compact
width	120 mm
height	125 mm
depth	124 mm
net weight	1.15 kg
fastening method	When using SFP plug transceivers, only horizontal mounting is permitted; when used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted
● 19-inch installation	No
● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
● S7-300 rail mounting	Yes
● S7-1500 rail mounting	No

product features, product functions, product components / general

cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	100
cascading in cases of star topology	any (depending only on signal propagation time)
product feature	
● Store & Forward switching method	Yes

product functions / management, configuration, engineering

10/4/2025

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
● multiport mirroring	Yes
● CoS	Yes
● PROFINET IO diagnosis	Yes
● switch-managed	Yes
PROFINET conformity class	B
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● BOOTP	Yes
● GMRP	Yes
● DCP	Yes
● LLDP	Yes
● SNMP v1	Yes
● SNMP v2	Yes
● SNMP v3	Yes
● IGMP (snooping/querier)	Yes
identification & maintenance function	
● I&M0 - device-specific information	Yes
● I&M1 - higher level designation/location designation	Yes

product functions / diagnostics

product function	
● port diagnostics	Yes
● statistics Packet Size	Yes
● statistics packet type	Yes
● error statistics	Yes
● SysLog	Yes

product functions / VLAN

product function	
● VLAN - port based	Yes
● VLAN - protocol-based	No
● VLAN - IP-based	No
● VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255

product functions / DHCP

product function	
● DHCP client	Yes
● DHCP Option 82	Yes
● DHCP Option 66	Yes
● DHCP Option 67	Yes

product functions / redundancy

protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● ring redundancy	Yes
● high speed redundancy protocol (HRP) with redundancy manager	Yes
● high speed redundancy protocol (HRP) with standby redundancy	Yes

10/4/2025

● redundancy procedure STP	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure MSTP	Yes
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
● passive listening	Yes
protocol / is supported	
● STP/RSTP	Yes
● STP	Yes
● RSTP	Yes
● MSTP	Yes
● RSTP big network support	Yes
● LACP	Yes

product functions / security

product function	
● IEEE 802.1x (radius)	Yes
● broadcast/multicast/unicast limiter	Yes
● broadcast blocking	Yes
protocol / is supported	
● SSH	Yes

product functions / time

product function	
● SICLOCK support	Yes
protocol / is supported	
● NTP	Yes
● SNTP	Yes
● IEEE 1588 profile default	Yes

standards, specifications, approvals

certificate of suitability	
● CE marking	Yes
● UKCA marking	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● for EMC interference emission	EN 61000-6-4:2007 (Class A)
● for immunity to EMC	EN 61000-6-2:2005
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1

standards, specifications, approvals / hazardous environments

certificate of suitability	
● ATEX	Yes
● UKEX	Yes
● IECEx	Yes
● ULhazloc approval	Yes
● CCC / for hazardous zone according to GB standard	Yes
● FM registration	Yes

standards, specifications, approvals / other

certificate of suitability	
● railway application in accordance with EN 50155	No
● RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3

standards, specifications, approvals / marine classification

Marine classification association	
● Det Norske Veritas (DNV)	No
● Royal Institution of Naval Architects (RINA)	Yes

product functions / general

MTBF	33 a
reference code	
● according to IEC 81346-2	KF

● according to IEC 81346-2:2019	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

further information / internet links

internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval				EMV	For use in hazardous locations
CE EG-Konf.	Declaration of Conformity	EAC	RCM	KC	IECEx IECEx

For use in hazardous locations			Test Certificates	Maritime application	
Ex ATEX	FM	CCC-Ex	Type Test Certificates/Test Report	ABS	BUREAU VERITAS

Maritime application			
DNV	Lloyd's Register LRS	NK / Nippon Kaiji Kyokai	RINA

last modified:	8/19/2025