SIEMENS

Data sheet

6GK5208-0GA00-2AC2



SCALANCE XC208G manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps; RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall redundancy functions; office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-PLUG slot; IEEE 1588v2 PTP

product type designation	
product brand name	SCALANCE
product type designation	XC208G
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8; RJ45
number of 10/100/1000 Mbit/s RJ45 ports	
 with securing collar 	8
interfaces / other	
number of electrical connections	
 for operator console 	1
 for signaling contact 	1
for power supply	1
type of electrical connection	
 for operator console 	RJ11
 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 / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	4.3 W
 consumed current / 1 / at rated supply voltage / maximum 	0.26 A
supply voltage / 1 / rated value	9.6 31.2 V
consumed current / 1 / maximum	0.36 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	2.5 A/ 125 V
ambient conditions	
ambient temperature	
 during operation 	-40 +70 °C
during storage	-40 +85 °C

during transport	-40 +85 °C
during transport relative humidity	
at 25 °C / without condensation / during operation /	95 %
maximum	90 /0
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.52 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	
35 mm DIN-rail mounting	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
product features, product functions, product components / gene	eral
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product function	, (
QoS according to DSCP	Yes
product feature	
• Cut Through switching method	No
Store & Forward switching method	Yes
product functions / management, configuration, engineering	
product function	
• CLI	Yes
web-based management	Yes
MIB support	Yes
TRAPs via email	Yes
• configuration with STEP 7	Yes
• RMON	Yes
SMTP server	No
• port mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
switch-managed	Yes
PROFINET conformity class	В
network load class / according to PROFINET	3
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	Yes
• BOOTP	No
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
EtherNet/IP	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 function	product functions / diagnostics	
Port diagnostics		
** statistics packet type	·	Yes
+ stalistics packet type		
Systog		
* Yes product functions / VLAN profused	• • • • • • • • • • • • • • • • • • • •	
product functions / VLAN - protosol-based		
product function • VLAN - port based • VLAN - protocol-based • VLAN - protocol-based • VLAN - protocol-based • VLAN - protocol-based • VLAN - dynamium 257 number of VLANs - dynamium • DHCP product functions / DHCP product function • DHCP server • DHCP Cellent • DHCP Option 82 • DHCP Option 83 • DHCP Option 84 • DHCP Option 85 • DHCP Option 87 • DHCP Option 87 • Media Redundancy Protocol (MRP) with redundancy manager • Media Redundancy Protocol (MRP-1) • of the PROFINET IO device / is supported / H-Sync forwarding • In grodundancy • In	, ,	res
VLAN - protocol-based		
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VLAN - IP-based No No No No No No No N		
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number of VLANs - dynamic / maximum 257 number of VLANs / at ming redundancy (HRP; MRP; standby list) product functions / DHCP product function		
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product function	link)	257
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product functions / time product function		
product function		Yes
	product functions / time	
SICLOCK support Yes	product function	
	SICLOCK support	Yes

NTO 15 4	V.
NTP-client CNTP start	Yes
SNTP client	Yes
protocol / is supported	V
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	Yes
standards, specifications, approvals	
certificate of suitability	Voc
CE marking Pagulaton Compliance Mark (PCM)	Yes Yes
Regulatory Compliance Mark (RCM) product conformity / according to EMC-guideline	2014/30/EU
standard	2014/30/EU
for EMC interference emission	EN 61000-6-4, EN 50121-4
• for immunity to EMC	EN 61000-6-2, EN 50121-4
for safety / from CSA and UL	UL 60950-1 E115352, UL-61010-2 E85972
standards, specifications, approvals / hazardous environments	0E 00000 1 E 110002, 0E 01010 2 E00012
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 50121-4	Yes
RoHS conformity	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	Yes
 Chinese Classification Society (CCS) 	Yes
• DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product De	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	135.7 kg
during manufacturing	26.3 kg
during operation	109 kg
after end of life	0.4 kg
product functions / general	T/a
MTBF	54 a
reference code	VE
• according to IEC 81346-2	KF
according to IEC 81346-2:2019 Warranty period	KFE 5 a
product function / is supported / identification link	5 a Yes; acc. to IEC 61406-1:2022
further information / internet links	1 65, doc. 10 IEO 0 1400-1.2022
internet link	
to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to web page: selection and TIA Selection Tool to website: Industrial communication	https://www.siemens.com/simatic-net
to website: industrial communication to web page: SiePortal	https://sieportal.siemens.com/
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to website: CAx-Download-Manager
to website: Industry Online Support

https://www.siemens.com/cax 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





Miscellaneous

Declaration of Conformity





EMV

For use in hazardous locations

Marine / Shipping

<u>KC</u>



IECEx



<u>FM</u>

CCC-Ex



Marine / Shipping









CCS (China Classification Society)



Environment

Industrial Communication

Confirmation



PROFINET

last modified:

2/18/2025