



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

product type designation		SCALANCE 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 / integrated		
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
signal inputs/outputs		
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
ambient conditions		
ambient temperature		

- during operation - during storage - during transport	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C
relative humidity	
at 25 °C / without condensation / during operation / maximum	95 %
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 top hat DIN rail mounting - wall mounting - S7-300 rail mounting - S7-1500 rail mounting	Yes Yes Yes Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~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 - Store & Forward switching method	No Yes
product functions / management, configuration, engineering	
product function	
- CLI - web-based management - MIB support - TRAPs via email - configuration with STEP 7 - RMON - SMTP server - port mirroring - multiport mirroring - CoS - PROFINET IO diagnosis	Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes
PROFINET conformity class	B
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	2048 byte
protocol / is supported	
- Telnet - HTTP - HTTPS - TFTP - BOOTP - GMRP - DCP - LLDP - EtherNet/IP - SNMP v1 - SNMP v2 - SNMP v3 - IGMP (snooping/querier)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes 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
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
product functions / redundancy	
product function	
• of the PROFINET IO device / is supported / PROFINET system redundancy	Yes
• ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• Media Redundancy Protocol Interconnection (MRP-I)	Yes
• of the PROFINET IO device / is supported / H-Sync forwarding	Yes
• redundancy procedure STP	Yes
• redundancy procedure RSTP	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	
• LACP	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
• broadcast/multicast/unicast limiter	Yes
• broadcast blocking	Yes
protocol / is supported	

• SSH • SSL	Yes Yes
product functions / time	
product function	
• SICLOCK support • NTP-client • SNTP client	Yes Yes Yes
protocol / is supported	
• NTP • SNTP	Yes Yes
system modification during operation / header	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	54 y
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
• for EMC interference emission • for immunity to EMC	EN 61000-6-4, EN 50121-9 EN 61000-6-2, EN 50121-9
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX • for ATEX / as marking • for ATEX / as certificate • IECEx • for IECEx / as marking • for IECEx / as certificate • for cULus HazLoc / as marking • for cULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as certificate	Yes; EN 60079-0, EN 60079-15 II 3 G Ex nA II T4 Gc KEMA 07ATEX0145 X Yes; IEC 60079-0, IEC 60079-15 Ex nA II T4 Gc IECEx DEK 14.0025X CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 E240480 (NWHP, NWHP7) Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM16US0205X
standards, specifications, approvals / other	
certificate of suitability	
• railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval	Yes Yes E85972 (NRAQ, NRAQ7) E115352 (NWGQ, NWGQ7) Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens'

products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

12/18/2020 