



SCALANCE X208, managed IE switch, 8x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, redundancy manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional.

product type designation		SCALANCE X208
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated		
number of electrical connections	• for network components or terminal equipment	8
number of 10/100 Mbit/s RJ45 ports / integrated		8
• with securing collar		
interfaces / other		
number of electrical connections	• for signaling contact • for power supply	1
type of electrical connection		1
• for signaling contact		2-pole terminal block
• for power supply		4-pole terminal block
design of the removable storage	• C-PLUG	Yes
• C-PLUG		
signal inputs/outputs		
operating voltage / of the signaling contacts	• at DC / rated value	
• at DC / maximum		24 V
operational current / of the signaling contacts	• at DC / maximum	
• 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	3.84 W	
• supply voltage / 1 / rated value	18 ... 32 V	
• consumed current / 1 / maximum	0.185 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	0.6 A / 60 V	
ambient conditions		
ambient temperature	• during operation • during storage • during transport	-40 ... +60 °C
		-40 ... +70 °C
		-40 ... +70 °C
relative humidity	• at 25 °C / without condensation / during operation / maximum	95 %

protection class IP	IP30
design, dimensions and weights	
design	compact
width	60 mm
height	125 mm
depth	124 mm
net weight	0.78 kg
fastening method	
• 35 mm top hat 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 functions / management, configuration, engineering	
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• port mirroring	Yes
• multiport mirroring	No
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
PROFINET conformity class	B
product function / switch-managed	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	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
product functions / DHCP	
product function	
• DHCP client	Yes
product functions / redundancy	
product function	
• 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	No

protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening 	Yes
product function <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening 	Yes
product function <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening 	No
product function <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening 	Yes
product functions / security	
protocol / is supported <ul style="list-style-type: none"> • SSH 	Yes
product functions / time	
product function <ul style="list-style-type: none"> • SICLOCK support 	Yes
protocol / is supported <ul style="list-style-type: none"> • NTP • SNTP 	No
protocol / is supported <ul style="list-style-type: none"> • NTP • SNTP 	Yes
standards, specifications, approvals	
standard <ul style="list-style-type: none"> • for FM • for emitted interference • for interference immunity 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X EN 61000-6-4 (Class A) EN 61000-6-2
MTBF	83.71 a
reference code <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone <ul style="list-style-type: none"> • • from CSA and UL 	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480
certificate of suitability <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as File Nr. 	Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc E240480 (NWHP, NWHP7)
standards, specifications, approvals / other	
certificate of suitability <ul style="list-style-type: none"> • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 	EN 61000-6-2, EN 61000-6-4 Yes Yes No No
standards, specifications, approvals / marine classification	
Marine classification association <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) 	Yes Yes Yes Yes Yes Yes Yes Yes Yes No
product functions / general	
Warranty period	5 a
further information / internet links	
internet link	

- to website: Image database
- to website: Industry Online Support

<https://www.automation.siemens.com/bilddb>

<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)

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)



[Miscellaneous](#)

General Product Approval

EMV

For use in hazardous locations



KC



IECEx



ATEX

FM

[CCC-Ex](#)

For use in hazardous locations

Test Certificates

Marine / Shipping



[Type Test Certificates/Test Report](#)



ABS



BUREAU
VERITAS



DNV



LRS

Marine / Shipping

Environment

Industrial Communication

[NK / Nippon Kaiji Kyokai](#)



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