

Product type designation	SCALANCE X208 SCALANCE X208, MANAGED IE SWITCH, 8 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT VOLTAGE SUPPLY, PROFINET IO DEVICE, NETWORK MANAGEMENT, OPERAT. IN RED. RING, W. ELECTRONIC MANUALS ON CD, OPTIONAL C-PLUG
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Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces

Number of electrical/optical connections <ul style="list-style-type: none"> • for network components or terminal equipment / maximum 	8
Type of electrical connection <ul style="list-style-type: none"> • for network components or terminal equipment 	RJ45 port

Interfaces / for communication / integrated

Number of electrical connections / for network components or terminal equipment	8
Number of 100 Mbit/s SC ports <ul style="list-style-type: none"> • for multimode 	0
Number of 1000 Mbit/s LC ports <ul style="list-style-type: none"> • for multimode • for single mode (LD) 	0 0

Interfaces / others

Number of electrical connections <ul style="list-style-type: none"> • for signaling contact • for power supply • for redundant voltage supply 	1 1 1
Type of electrical connection <ul style="list-style-type: none"> • for signaling contact • for power supply 	2-pole terminal block 4-pole terminal block
design of the removable storage <ul style="list-style-type: none"> • C-PLUG 	Yes

Signal-Inputs/outputs

Operating voltage / of the signaling contacts <ul style="list-style-type: none"> • at DC / Rated value 	24 V
Operating current / of the signaling contacts <ul style="list-style-type: none"> • at DC / maximum 	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	18 ... 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.16 A
Power loss [W]	
• at DC / at 24 V	3.84 W

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP30

Design, dimensions and weight

Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No

Product properties, functions, 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

Product function	
• CLI	No
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes

<ul style="list-style-type: none"> • RMON • Port mirroring • multiport mirroring • CoS • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed 	<p>No</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>Yes</p> <p>Yes</p>
<p>Protocol / is supported</p> <ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • DCP • LLDP 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
<p>Identification & maintenance function</p> <ul style="list-style-type: none"> • I&M0 - device-specific information • I&M1 – higher-level designation/location designation 	<p>No</p> <p>No</p>
<p>Protocol / is supported</p> <ul style="list-style-type: none"> • SNMP v1 • SNMP v2 • SNMP v3 	<p>Yes</p> <p>Yes</p> <p>Yes</p>

Product functions / Diagnosis

<p>Product function</p> <ul style="list-style-type: none"> • Port diagnostics • Statistics Packet Size • Statistics packet type • Error statistics 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
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Product functions / DHCP

<p>Product function</p> <ul style="list-style-type: none"> • DHCP client 	<p>Yes</p>
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Product functions / Redundancy

<p>Product function</p> <ul style="list-style-type: none"> • Ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>
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Protocol / is supported / Media Redundancy Protocol (MRP)	No
Product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	No
<ul style="list-style-type: none"> • Passive listening 	Yes
Product functions / Security	
Protocol / is supported	
<ul style="list-style-type: none"> • SSH 	No
Product functions / Time	
Product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • NTP 	No
<ul style="list-style-type: none"> • SNTP 	Yes
Standards, specifications, approvals	
Standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> • for hazardous zone 	EN 50021
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> • for hazardous zone / from CSA and UL 	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
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2:2001
Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • C-Tick 	Yes
<ul style="list-style-type: none"> • KC approval 	No
<ul style="list-style-type: none"> • Railway application in accordance with EN 50155 	No
<ul style="list-style-type: none"> • Railway application in accordance with EN 50124-1 	No
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	Yes
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	Yes
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	Yes
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	Yes
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	Yes
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	Yes

• Royal Institution of Naval Architects (RINA)	No
MTBF / at 40 °C	78.71 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

Security information	<p>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)</p>
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