



SCALANCE XB208 managed Layer 2 IE switch 8x 10/100 Mbit/s RJ45 ports 1x console port; diagnostics LED redundant power supply IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; DIN-rail mounting; default PROFINET.

product type designation		SCALANCE XB208
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
number of ports / maximum	8	
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum	8	
interfaces / for communication / Integrated		
number of electrical connections		
• for network components or terminal equipment	8; RJ45	
interfaces / other		
number of electrical connections		
• for operator console	1	
• for management purposes	1	
• for power supply	1	
type of electrical connection		
• for operator console	RJ11	
• for management purposes	RJ45	
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply	Yes	
type of voltage / 1 / of the supply voltage		
• supply voltage / 1 / rated value	DC	
• supply voltage / 1 / rated value	24 V	
• consumed current / 1 / maximum	19.2 ... 28.8 V	
• type of electrical connection / 1 / for power supply	0.17 A	
• product component / 1 / fusing at power supply input	6-pole terminal block	
• product component / 1 / fusing at power supply input	Yes	
ambient conditions		
ambient temperature		
• during operation	0 ... 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	IP20	
design, dimensions and weights		
design	compact	
width	40 mm	
height	117 mm	
depth	109 mm	
net weight	0.25 kg	

material / of the enclosure	Polycarbonate (PC-GF10)	
fastening method	Yes	
• 35 mm top hat DIN rail mounting		
product features, product functions, product components / general		
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 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	
• port mirroring	Yes	
• multiport mirroring	Yes	
• CoS	Yes	
• PROFINET IO diagnosis	Yes	
PROFINET conformity class	B	
network load class / according to PROFINET	3	
product function / switch-managed	Yes	
telegram length / for Ethernet / maximum	1632 byte	
protocol / is supported		
• Telnet	Yes	
• HTTP	Yes	
• HTTPS	Yes	
• TFTP	Yes	
• FTP	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		
• is supported / identification link	Yes; according to IEC 61406-1:2022	
product functions / diagnostics		
product function		
• port diagnostics	Yes	
• statistics Packet Size	Yes	
• statistics packet type	Yes	
• error statistics	Yes	
• SysLog	Yes	
• loopback diagnostics	Yes	
product functions / VLAN		
product function		
• VLAN - port based	Yes	
number of VLANs / maximum	257	
number of VLANs - dynamic / maximum	257	
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257	
product functions / DHCP		
product function		
• DHCP client	Yes	
product functions / redundancy		
product function		

• of the PROFINET IO device / is supported / PROFINET system redundancy	No
• 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
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	No
• passive listening	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
product function	
• ACL - MAC-based	Yes
• ACL - port/MAC-based	Yes
• IEEE 802.1x (radius)	Yes
• broadcast/multicast/unicast limiter	Yes
• broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
• SICLOCK support	Yes
• NTP-client	Yes
• SNTP client	Yes
protocol / is supported	
• SNTP	Yes
standards, specifications, approvals	
standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM19US0167X
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	84 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	
•	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• 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, E240480
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc

- for cULus HazLoc / as File Nr.

E240480 (NWHP, NWHP7)

standards, specifications, approvals / other

certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• KC approval	Yes

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	252.5 kg
• during manufacturing	26.6 kg
• during operation	225.28 kg
• after end of life	0.6 kg

product functions / general

Warranty period	5 a
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further information / internet links

internet link	
• to website: Image database	https://www.automation.siemens.com/bilddb
• 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, 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 security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. 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 Security RSS Feed under https://www.siemens.com/cert. (V4.6)</p>
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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Miscellaneous](#)

[Declaration of Conformity](#)

General Product Approval

EMV

For use in hazardous locations



KC



IECEx



FM

[CCC-Ex](#)

For use in hazardous locations

Radio Equipment Type Approval Certificate

other

Environment

Industrial Communication



KC



[Confirmation](#)

[PROFINET](#)

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