

SCALANCE X108PoE unmanaged IE switch, 2x 10/100 Mbit/s RJ45 Power-over-Ethernet ports and 6x 10/100 Mbit/s RJ45 ports, LED diagnostics, error signaling contact with set button, Redundant power supply Manual available as a download



Product type designation	SCALANCE X108PoE
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
<ul style="list-style-type: none"> • for network components or terminal equipment • for Power-over-Ethernet / for network components or terminal equipment 	6; RJ45 with securing collar 2
Number of 100 Mbit/s SC ports	
<ul style="list-style-type: none"> • for multimode 	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

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	
<ul style="list-style-type: none"> external 	24 V
<ul style="list-style-type: none"> external / minimum 	18 V
<ul style="list-style-type: none"> external / maximum 	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	4 A / 125 V
Consumed current / maximum	1.7 A
Power loss [W]	
<ul style="list-style-type: none"> at DC / at 24 V 	10 W
Supplied active power / of PSE / with PoE	
<ul style="list-style-type: none"> per port / maximum 	15.4 W
<ul style="list-style-type: none"> total / maximum 	30.8 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operation 	-20 ... +60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> during transport 	-40 ... +80 °C
<ul style="list-style-type: none"> Note 	At 55° C ambient temperature on both sides 40 mm distance to adjacent devices
Relative humidity	
<ul style="list-style-type: none"> 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	0.9 kg
Product feature / conformal coating	No
Mounting type	
<ul style="list-style-type: none"> 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> wall mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	Yes

- S7-1500 rail mounting

No

Product functions / management, configuration

Product function

- multiport mirroring
- CoS

No

Yes

Product function / switch-managed

No

Product functions / Redundancy

Product function

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)

Yes

No

Standards, specifications, approvals

Standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4

EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X

UL 60950-1, CSA C22.2 No. 60950-1

UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T..

EN 61000-6-4:2001

EN 61000-6-2:2001

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability

- C-Tick
- E1 approval
- E1 approval
- Railway application in accordance with EN 50155
- KC approval

EN 61000-6-2:2001, EN 61000-6-4:2001

Yes

No

No

Yes

Yes

Standards, specifications, approvals / ship classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- DNV GL

Yes

Yes

No

No

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 / product conformity

Product conformity	
• acc. to IEEE 802.3af-Power-over-Ethernet	Yes
MTBF	61.64 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

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