



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 pushbutton, redundant power supply manual available as a download .

product type designation	SCALANCE X108PoE
transfer 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 / other	
number of electrical connections	
<ul style="list-style-type: none"> for signaling contact for power supply 	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
operational current / of the signaling contacts	
<ul style="list-style-type: none"> at DC / maximum 	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE	
<ul style="list-style-type: none"> per port / maximum total / maximum 	15.4 W 30.8 W
type of voltage / 1 / of the supply voltage	DC
<ul style="list-style-type: none"> supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input 	24 V 10 W 18 ... 32 V 1.7 A 4-pole terminal block Yes
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport note 	-20 ... +60 °C -40 ... +80 °C -40 ... +80 °C 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 weights	
design	compact
width	60 mm
height	125 mm
depth	124 mm
net weight	0.55 kg
product feature / conformal coating	No
fastening method	
<ul style="list-style-type: none"> 35 mm top hat DIN rail mounting 	Yes
<ul style="list-style-type: none"> wall mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> S7-1500 rail mounting 	No
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> multiport mirroring 	No
<ul style="list-style-type: none"> CoS 	Yes
product function / switch-managed	No
product functions / redundancy	
product function	
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> for FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
<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 emitted interference 	EN 61000-6-4:2001
<ul style="list-style-type: none"> for interference immunity 	EN 61000-6-2:2001
MTBF	61.64 a
reference code	
<ul style="list-style-type: none"> according to IEC 81346-2 	KF
<ul style="list-style-type: none"> according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
<ul style="list-style-type: none"> from CSA and UL 	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..
certificate of suitability	
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard 	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
<ul style="list-style-type: none"> C-Tick 	Yes
<ul style="list-style-type: none"> KC approval 	Yes
<ul style="list-style-type: none"> E1 approval 	No
<ul style="list-style-type: none"> E1 approval 	No
<ul style="list-style-type: none"> railway application in accordance with EN 50155 	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> French marine classification society (BV) 	Yes
<ul style="list-style-type: none"> Det Norske Veritas (DNV) 	No
<ul style="list-style-type: none"> Germanische Lloyd (GL) 	No
<ul style="list-style-type: none"> DNV GL 	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	
• according to IEEE 802.3af-Power-over-Ethernet	Yes

further information / internet-Links

Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• 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	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)
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