



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		
• for network components or terminal equipment		6; RJ45 with securing collar
• for Power-over-Ethernet / for network components or terminal equipment		2
number of 100 Mbit/s SC ports		
• for multimode		0
interfaces / other		
number of electrical connections		
• for signaling contact		1
• for power supply		1
type of electrical connection		
• for signaling contact		2-pole terminal block
• for power supply		4-pole terminal block
signal inputs/outputs		
operating voltage / of the signaling contacts		
• at DC / rated value		24 V
operational current / of the signaling contacts		
• 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		
• per port / maximum		15.4 W
• total / maximum		30.8 W
type of voltage / 1 / of the supply voltage		DC
• supply voltage / 1 / rated value		24 V
• power loss [W] / 1 / rated value		10 W
• supply voltage / 1 / rated value		18 ... 32 V
• consumed current / 1 / maximum		1.7 A
• type of electrical connection / 1 / for power supply		4-pole terminal block
• product component / 1 / fusing at power supply input		Yes
ambient conditions		
ambient temperature		
• during operation		-20 ... +60 °C
• during storage		-40 ... +80 °C
• during transport		-40 ... +80 °C
• note		At 55 °C ambient temperature on both sides 40 mm distance to adjacent

relative humidity	devices
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP30
<b>design, dimensions and weights</b>	
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"> <li>35 mm top hat DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>S7-300 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>S7-1500 rail mounting</li> </ul>	No
<b>product functions / management, configuration, engineering</b>	
product function	
<ul style="list-style-type: none"> <li>multiport mirroring</li> </ul>	No
<ul style="list-style-type: none"> <li>CoS</li> </ul>	Yes
product function / switch-managed	No
<b>product functions / redundancy</b>	
product function	
<ul style="list-style-type: none"> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
<b>standards, specifications, approvals</b>	
standard	
<ul style="list-style-type: none"> <li>for FM</li> </ul>	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
<ul style="list-style-type: none"> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> <li>for emitted interference</li> </ul>	EN 61000-6-4:2001
<ul style="list-style-type: none"> <li>for interference immunity</li> </ul>	EN 61000-6-2:2001
MTBF	61.64 y
reference code	
<ul style="list-style-type: none"> <li>according to IEC 81346-2</li> </ul>	KF
<ul style="list-style-type: none"> <li>according to IEC 81346-2:2019</li> </ul>	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
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"> <li>from CSA and UL</li> </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"> <li>CCC / for hazardous zone according to GB standard</li> </ul>	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
<ul style="list-style-type: none"> <li>C-Tick</li> </ul>	Yes
<ul style="list-style-type: none"> <li>KC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>E1 approval</li> </ul>	No
<ul style="list-style-type: none"> <li>E1 approval</li> </ul>	No
<ul style="list-style-type: none"> <li>railway application in accordance with EN 50155</li> </ul>	Yes
<b>standards, specifications, approvals / marine classification</b>	
Marine classification association	
<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>French marine classification society (BV)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Det Norske Veritas (DNV)</li> </ul>	No
<ul style="list-style-type: none"> <li>Germanische Lloyd (GL)</li> </ul>	No
<ul style="list-style-type: none"> <li>DNV GL</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes

<ul style="list-style-type: none"> <li>• Nippon Kaiji Kyokai (NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Royal Institution of Naval Architects (RINA)</li> </ul>	Yes Yes Yes
<b>standards, specifications, approvals / product conformity</b>	
product conformity <ul style="list-style-type: none"> <li>• according to IEEE 802.3af-Power-over-Ethernet</li> </ul>	Yes
<b>further information / internet-Links</b>	
Internet-Link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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