



\*\*\*\*\* spare part \*\*\*\*\* SCALANCE X108PoE unmanaged IE switch, 2x 10/100 Mbps RJ45 Power over Ethernet ports and 6x 10/100 Mbps RJ45 ports, LED diagnostics, error signaling contact with set pushbutton, redundant power supply manual available as a download

product type designation	
product brand name	SCALANCE
product type designation	X108PoE
design of the product	2x 10/100 Mbit/s RJ45 PoE, 6x 10/100 Mbit/s RJ45
transfer rate	
transfer rate	10, 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
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	
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	10 W
• 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

<ul style="list-style-type: none"> <li>during transport</li> <li>note</li> </ul>	-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"> <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 DIN-rail mounting</li> <li>wall mounting</li> <li>S7-300 rail mounting</li> <li>S7-1500 rail mounting</li> </ul>	Yes Yes Yes No
<b>product functions / management, configuration, engineering</b>	
product function <ul style="list-style-type: none"> <li>multiport mirroring</li> <li>CoS</li> <li>switch-managed</li> </ul>	No Yes 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> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	Yes No
<b>standards, specifications, approvals</b>	
certificate of suitability <ul style="list-style-type: none"> <li>CE marking</li> <li>KC approval</li> </ul>	Yes Yes
standard <ul style="list-style-type: none"> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
<b>standards, specifications, approvals / hazardous environments</b>	
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 <ul style="list-style-type: none"> <li>E1 approval</li> <li>railway application in accordance with EN 50155</li> </ul>	No 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> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (NK)</li> <li>Polski Rejestr Statkow (PRS)</li> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	Yes Yes No Yes Yes Yes Yes
<b>product functions / general</b>	
MTBF	61.64 a
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to website: Image database</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>

- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/cax>

<https://support.industry.siemens.com>

## security information

security information

Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit [www.siemens.com/cybersecurity-industry](http://www.siemens.com/cybersecurity-industry). 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 Cybersecurity RSS Feed under <https://www.siemens.com/cert>. (V4.7)

## Approvals / Certificates

### General Product Approval



[Declaration of Con-  
formity](#)



[China RoHS](#)



### General Product Approval

### EMV

### For use in hazardous locations

[Miscellaneous](#)



[KC](#)



[FM](#)

### For use in hazard- ous locations

### Test Certificates

### Maritime application

[CCC-Ex](#)

[Type Test Certific-  
ates/Test Report](#)



### Maritime application

### Railway

[NK / Nippon Kaiji Ky-  
okai](#)



[Confirmation](#)

last modified:

12/15/2025