

SCALANCE XC108, Unmanaged IE switch, 8x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download



<b>Product type designation</b>	<b>SCALANCE XC108</b>
<b>Transfer rate</b>	
Transfer rate	10 Mbit/s, 100 Mbit/s
<b>Interfaces / for communication / Integrated</b>	
Number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	8; RJ45
<b>Interfaces / other</b>	
Number of electrical connections	
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	1
<ul style="list-style-type: none"> <li>for redundant voltage supply</li> </ul>	1
Type of electrical connection	
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>	2-pole terminal block
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	4-pole terminal block
<b>Signal inputs/outputs</b>	
Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / Rated value</li> </ul>	24 V

Operating current / of the signaling contacts	
<ul style="list-style-type: none"> <li>• at DC / maximum</li> </ul>	0.1 A
<b>Supply voltage, current consumption, power loss</b>	
Type of voltage / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> <li>• external</li> </ul>	24 V
<ul style="list-style-type: none"> <li>• external / minimum</li> </ul>	9.6 V
<ul style="list-style-type: none"> <li>• external / maximum</li> </ul>	31.2 V
<b>Supply voltage / 1 / Rated value</b>	12 V
<ul style="list-style-type: none"> <li>• Supply voltage / 1 / rated value</li> </ul>	9.6 ... 31.2 V
<ul style="list-style-type: none"> <li>• Type of voltage / 1 / of the supply voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>• Consumed current / 1 / at rated supply voltage / maximum</li> </ul>	0.25 A
<b>Supply voltage / 2 / Rated value</b>	24 V
<ul style="list-style-type: none"> <li>• Supply voltage / 2 / rated value</li> </ul>	9.6 ... 31.2 V
<ul style="list-style-type: none"> <li>• Type of voltage / 2 / of the supply voltage</li> </ul>	DC
<ul style="list-style-type: none"> <li>• Consumed current / 2 / at rated supply voltage / maximum</li> </ul>	0.125 A
<ul style="list-style-type: none"> <li>• Power loss [W] / 2 / Rated value</li> </ul>	3 W
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	2.5 A / 125 V
Power loss [W]	
<ul style="list-style-type: none"> <li>• at DC / at 24 V</li> </ul>	3 W

#### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +85 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP20

#### Design, dimensions and weights

Design	compact
Width	60 mm
Height	147 mm
Depth	125 mm
Net weight	0.85 kg
Material / of the enclosure	Polycarbonate (PC-GF10)
Mounting type	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes

- S7-300 rail mounting Yes
- S7-1500 rail mounting Yes

#### Product features, product functions, product components / general

Number of automatically learnable MAC addresses 2048

#### Product functions / management, configuration, engineering

Product function

- multiport mirroring No
- CoS Yes

Product function / switch-managed No

#### Product functions / redundancy

Product function

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) No

#### Standards, specifications, approvals

Standard

- for hazardous zone EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010
- for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1
- for hazardous zone / 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..
- for emitted interference EN 61000-6-4 (Class B)

#### Standards, specifications, approvals / CE

Certificate of suitability / CE marking Yes

#### Standards, specifications, approvals / other

Laser protection class LED Class 1

Certificate of suitability EN 61000-6-2, EN 61000-6-4

- C-Tick Yes
- E1 approval Yes
- EC declaration of conformity EN 61010, IEC 61010-1, UL 61010A-1 Yes
- KC approval Yes

#### Standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS) Yes
- Bureau Veritas (BV) Yes
- DNV GL Yes

- Korean Register of Shipping (KRS)
- Lloyds Register of Shipping (LRS)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes  
Yes  
Yes  
Yes

## Further information / Internet-Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

## Security information

### Security information

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