



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

product type designation		SCALANCE XC108
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated		
number of electrical connections		
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>		8; RJ45
interfaces / other		
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
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
signal inputs/outputs		
operating voltage / of the signaling contacts		
<ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>		24 V
operational current / of the signaling contacts		
<ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>		0.1 A
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply		Yes
type of voltage / 1 / of the supply voltage		DC
<ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>		24 V
<ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>		3 W
<ul style="list-style-type: none"> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>		0.25 A
<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 electrical connection / 1 / for power supply</li> </ul>		4-pole terminal block
<ul style="list-style-type: none"> <li>product component / 1 / fusing at power supply input</li> </ul>		Yes
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

<b>design, dimensions and weights</b>	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.85 kg
material / of the enclosure	Polycarbonate (PC-GF10)
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
<b>product features, product functions, product components / general</b>	
number of automatically learnable MAC addresses	2048
<b>product functions / management, configuration, engineering</b>	
product function	
• multiport mirroring	No
• CoS	Yes
product function / switch-managed	No
<b>product functions / redundancy</b>	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
<b>standards, specifications, approvals</b>	
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)
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
<b>standards, specifications, approvals / other</b>	
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
<b>standards, specifications, approvals / marine classification</b>	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	Yes
• DNV GL	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>

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

<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

## security information

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