



SCALANCE XB108-2 unmanaged IE switch, 8x 10/100 Mbit/s Ports, 2x 100 Mbit/s multimode BFOC, for setting up small star and line topologies, LED diagnostics, IP20, redundant power supply 24 V AC/DC Manual available as a download .

product type designation	SCALANCE XB108-2
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	8
number of optical ports / maximum	2
interfaces / for communication / integrated	
number of electrical connections • for network components or terminal equipment	8; RJ45
number of 100 Mbit/s ST(BFOC) ports • for multimode	2
interfaces / other	
number of electrical connections • for power supply	1
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	7.2 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.3 A
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	0.6 A / 60 V
type of voltage / 2 / of the supply voltage	AC
• supply voltage / 2 / rated value	19.2 ... 28.8 V
ambient conditions	
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	80 mm
height	117 mm
depth	109 mm
net weight	0.34 kg

fastening method	
<ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting 	<p>Yes</p> <p>No</p> <p>No</p> <p>No</p>
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> • multiport mirroring • CoS 	<p>No</p> <p>Yes</p>
PROFINET conformity class	A
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 • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	<p>Yes</p> <p>No</p>
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM • for safety / from CSA and UL • for emitted interference • for interference immunity 	<p>FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4</p> <p>UL 60950-1, CSA C22.2 No. 60950-1</p> <p>EN 61000-6-4 (Class B)</p> <p>61000-6-2</p>
MTBF	71 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	<p>KF</p> <p>KFE</p>
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
certificate of suitability	
<ul style="list-style-type: none"> • IECEx • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking 	<p>Yes; IEC 60079-0, IEC 60079-15, IECEx DEK 14.0025X, Ex nA IIC T4 Gc</p> <p>Yes; GB3836.1, GB3836.8</p> <p>Ex nA IIC T4 Gc</p>
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> • KC approval • Regulatory Compliance Mark (RCM) 	<p>Yes</p> <p>Yes</p>
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>https://sie.ag/2QdlxcP</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
security information	Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity . Siemens' products and solutions

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Approvals / Certificates

General Product Approval					EMC	
 EG-Konf.			Manufacturer Declaration	 UL	 RCM	
For use in hazardous locations				other	Environment	
 IECEX	 ATEX	FM	CCC-Ex	Manufacturer Declaration	Confirmation	

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