



SCALANCE XB108-2 unmanaged IE switch, 8x 10/100 Mbit/s Ports, 2x 100 Mbit/s multimode SC, 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 / integrated		
number of electrical connections		
• for network components or terminal equipment		8; RJ45
number of 100 Mbit/s SC 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
type of voltage / 2 / of the supply voltage		
• 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		

• 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes No No No
product functions / management, configuration, engineering	
product function	
• multiport mirroring • CoS	No Yes
PROFINET conformity class	A
product function / switch-managed	No
product functions / redundancy	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes No
standards, specifications, approvals	
standard	
• for FM • for safety / from CSA and UL • for emitted interference • for interference immunity	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class B) 61000-6-2
MTBF	71 y
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	
• IECEx • CCC / for hazardous zone according to GB standard	Yes; IEC 60079-0, IEC 60079-15, IECEx DEK 14.0025X, Ex nA IIC T4 Gc Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• KC approval • Regulatory Compliance Mark (RCM)	Yes Yes
further information / internet-Links	
Internet-Link	
• 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/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	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)
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