









SCALANCE XB004-1G unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100/1000 Mbit/s RJ45 ports electrical and 1 x 1000 Mbit/s SC-port optical (multimode, glass), up to max. 750 m Manual available as a download .

<b>product type designation</b>	<b>SCALANCE XB004-1G</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
<b>interfaces / for communication / maximum configuration for modular devices</b>	
number of electrical ports / maximum	4
number of optical ports / maximum	1
<b>interfaces / for communication / integrated</b>	
number of electrical connections • for network components or terminal equipment	4; RJ45
number of 100 Mbit/s SC ports • for multimode	0
number of 1000 Mbit/s SC ports • for multimode	1
<b>interfaces / other</b>	
number of electrical connections • for power supply	1
type of electrical connection • for power supply	3-pole terminal block
<b>supply voltage, current consumption, power loss</b>	
<b>type of voltage / 1 / of the supply voltage</b>	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	12.5 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.52 A
• type of electrical connection / 1 / for power supply	3-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	0.6 A / 60 V
<b>ambient conditions</b>	
ambient temperature • during operation	-10 ... +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
<b>design, dimensions and weights</b>	
design	Box
width	45 mm
height	100 mm

depth	87 mm
net weight	0.21 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-1500 rail mounting	No
<b>product functions / management, configuration, engineering</b>	
product function	
• multiport mirroring	No
• CoS	Yes
PROFINET conformity class	A
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 FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
MTBF	124 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
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	
• CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
<b>standards, specifications, approvals / other</b>	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• KC approval	Yes
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
• Global Warming Potential [CO2 eq] / total	141.3 kg
• Global Warming Potential [CO2 eq] / during manufacturing	15.99 kg
• Global Warming Potential [CO2 eq] / during operation	125.18 kg
• global warming potential [CO2 eq] / after end of life	0.15 kg
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</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: Selection guide for cables and connectors	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In

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**Approvals / Certificates**

General Product Approval			EMC	For use in hazardous locations		
 EG-Konf.		<a href="#">Manufacturer Declaration</a>	 UL	 RCM	 IECEX	
For use in hazardous locations		other	Environment			
 ATEX	<a href="#">FM</a>	<a href="#">CCC-Ex</a>	<a href="#">Manufacturer Declaration</a>	<a href="#">Environmental Confirmations</a>		

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