



SCALANCE XB004-1LD unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 4x 10/100 Mbit/s twisted pair ports with RJ45 sockets; 1 x 100 Mbit/s single-mode glass fiber-optic cable port with SC socket; manual available as a download .

<b>product type designation</b>	<b>SCALANCE XB004-1LD</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 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 • for single mode (LD)	0 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> • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input • fuse protection type / 1 / at input for supply voltage	DC 24 V 2.4 W 19.2 ... 28.8 V 0.1 A 3-pole terminal block Yes 0.6 A / 60 V
<b>type of voltage / 2 / of the supply voltage</b> • supply voltage / 2 / rated value	AC 19.2 ... 28.8 V
<b>ambient conditions</b>	
ambient temperature • during operation • during storage • during transport	-10 ... +60 °C -40 ... +80 °C -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	0.165 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-1500 rail mounting	No

#### product functions / management, configuration, engineering

product function	
• multiport mirroring	No
• CoS	Yes
PROFINET conformity class	A
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 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	238 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE

#### standards, specifications, approvals / CE

certificate of suitability / CE marking	Yes
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#### 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	
• 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

#### standards, specifications, approvals / other

certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
• KC approval	Yes

#### standards, specifications, approvals / Environmental Product Declaration

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

#### further information / internet links

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>

#### security information

security information	Siemens provides products and solutions with industrial security functions that
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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 undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert>. (V4.6)

**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)



EMC	For use in hazardous locations			Test Certificates	
 RCM	 IECEX	 ATEX	<a href="#">FM</a>	<a href="#">CCC-Ex</a>	<a href="#">Special Test Certificate</a>
other	Environment				

[Manufacturer Declaration](#)

[Confirmation](#)

[Environmental Confirmations](#)

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