



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 FOC port with SC socket; Manual available as a download

Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	4; RJ45
Number of 100 Mbit/s SC ports	
• for multimode	0
• for single mode (LD)	1
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
Number of electrical connections	
• for power supply	1
Type of electrical connection	
• for power supply	3-pole terminal block
Supply voltage, current consumption, power loss	

Type of voltage / of the supply voltage	AC/DC
Supply voltage	
• external	24 V
• external / minimum	19.2 V
• external / maximum	28.8 V
• at AC	24 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.1 A
Power loss [W]	
• at DC / at 24 V	2.4 W

Permitted ambient conditions

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

Design, dimensions and weight

Design	Box
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.165 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-1500 rail mounting	No

Product functions / management, configuration

Product function	
• multiport mirroring	No
• CoS	Yes
• 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 hazardous zone EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
- 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

Standards, specifications, approvals / CE

Certificate of suitability / CE marking Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability EN 61000-6-2, EN 61000-6-4

- C-Tick Yes
- KC approval Yes

Standards, specifications, approvals / product conformity

MTBF / at 40 °C 238 y

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- to website: Industry Mall <https://mall.industry.siemens.com>
- to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAX Download Manager <http://www.siemens.com/cax>
- to website: Industry Online Support <https://support.industry.siemens.com>

Security information

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