



SCALANCE XB004-2LD 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; 2 x 100 Mbit/s single-mode glass fiber-optic cable port with SC socket; manual available as a download .

product type designation	
product brand name	SCALANCE
transfer 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)	2
transmission method / of the optical interface	100BaseLX LD
interfaces / other	
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 / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	2.4 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.1 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
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	-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 weights	
design	Box
width	45 mm
height	100 mm

depth	87 mm
net weight	0.205 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
• S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
• multiport mirroring	No
• CoS	Yes
• switch-managed	No
PROFINET conformity class	A
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	
certificate of suitability	
• CE marking	Yes
• Regulatory Compliance Mark (RCM)	Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
standards, specifications, approvals / other	
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	141.3 kg
• during manufacturing	15.99 kg
• during operation	125.18 kg
• after end of life	0.15 kg
product functions / general	
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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

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Approvals / Certificates

General Product Approval	For use in hazardous locations
 Declaration of Conformity	   
For use in hazardous locations	Environment
EM CCC-Ex	

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