



SCALANCE XB004-2 unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100 Mbit/s twisted pair ports with RJ45 sockets; 2x 100 Mbit/s multimode glass fiber-optical cable port with SC socket; manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB004-2
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections • for network components or terminal equipment	4; RJ45
number of 100 Mbit/s SC ports • for multimode	2
transmission method / of the optical interface	100BaseFX
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	4 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.165 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	0.5 A / 60 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	
<ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting • wall mounting • S7-1500 rail mounting 	<p>Yes</p> <p>Yes</p> <p>No</p>
product features, product functions, product components / general	
number of automatically learnable MAC addresses	1024
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> • multiport mirroring • CoS • switch-managed 	<p>No</p> <p>Yes</p> <p>No</p>
PROFINET conformity class	A
product functions / redundancy	
product function	
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	<p>Yes</p> <p>No</p>
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • KC approval • Regulatory Compliance Mark (RCM) 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
standard	
<ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL 	<p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p> <p>UL 60950-1, CSA C22.2 No. 60950-1</p>
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
<ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life 	<p>141.3 kg</p> <p>15.99 kg</p> <p>125.18 kg</p> <p>0.15 kg</p>
product functions / general	
MTBF	232 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	<p>KF</p> <p>KFE</p>
Warranty period	5 a
product function / is supported / identification link	Yes; according to IEC 61406-1:2022
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

security information

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Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



General Product Approval

EMV

For use in hazardous locations



[KC](#)



[FM](#)

[CCC-Ex](#)

Environment

Industrial Communication

[Confirmation](#)



[PROFINET](#)

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