



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-optic cable port with SC socket; manual available as a download .

<b>product type designation</b>	<b>SCALANCE XB004-2</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	2
<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	2
<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	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
<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	0.205 kg

fastening method	
<ul style="list-style-type: none"> <li>• 35 mm top hat DIN rail mounting</li> <li>• wall mounting</li> <li>• S7-1500 rail mounting</li> </ul>	<p>Yes</p> <p>Yes</p> <p>No</p>
<b>product features, product functions, product components / general</b>	
number of automatically learnable MAC addresses	1024
<b>product functions / management, configuration, engineering</b>	
product function	
<ul style="list-style-type: none"> <li>• multiport mirroring</li> <li>• CoS</li> </ul>	<p>No</p> <p>Yes</p>
PROFINET conformity class	A
product function / switch-managed	No
<b>product functions / redundancy</b>	
product function	
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	<p>Yes</p> <p>No</p>
<b>standards, specifications, approvals</b>	
standard	
<ul style="list-style-type: none"> <li>• for FM</li> <li>• for safety / from CSA and UL</li> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	<p>FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4</p> <p>UL 60950-1, CSA C22.2 No. 60950-1</p> <p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p>
MTBF	232 a
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	<p>KF</p> <p>KFE</p>
<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	
<ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> <li>• CCC / for hazardous zone according to GB standard / as marking</li> </ul>	<p>Yes; GB3836.1, GB3836.8</p> <p>Ex nA IIC T4 Gc</p>
<b>standards, specifications, approvals / other</b>	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> <li>• C-Tick</li> <li>• KC approval</li> </ul>	<p>Yes</p> <p>Yes</p>
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
<ul style="list-style-type: none"> <li>• Global Warming Potential [CO2 eq] / total</li> <li>• Global Warming Potential [CO2 eq] / during manufacturing</li> <li>• Global Warming Potential [CO2 eq] / during operation</li> <li>• global warming potential [CO2 eq] / after end of life</li> </ul>	<p>141.3 kg</p> <p>15.99 kg</p> <p>125.18 kg</p> <p>0.15 kg</p>
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Selection guide for cables and connectors</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<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

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** **EMC**

[Manufacturer Declaration](#)



**For use in hazardous locations** **other** **Environment**



[FM](#)

[CCC-Ex](#)

[Manufacturer Declaration](#)

[Confirmation](#)

**Environment**

[Environmental Confirmations](#)

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