

SCALANCE XB004-1 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 multimode glass FOC port with SC socket; Manual available as a download



<b>Product type designation</b>	<b>SCALANCE XB004-1</b>
<b>Transmission rate</b>	
Transfer rate	10 Mbit/s, 100 Mbit/s
<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	1
<b>Interfaces / others</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>	
Type of voltage / of the supply voltage	AC/DC
Supply voltage	
• external	24 V

<ul style="list-style-type: none"> <li>external / minimum</li> </ul>	19.2 V
<ul style="list-style-type: none"> <li>external / maximum</li> </ul>	28.8 V
<ul style="list-style-type: none"> <li>at AC</li> </ul>	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	0.11 A
Power loss [W]	
<ul style="list-style-type: none"> <li>at DC / at 24 V</li> </ul>	2.64 W

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-10 ... +60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	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	
<ul style="list-style-type: none"> <li>35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>S7-1500 rail mounting</li> </ul>	No

### Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> <li>multiport mirroring</li> </ul>	No
<ul style="list-style-type: none"> <li>CoS</li> </ul>	Yes
PROFINET conformity class	A
Product function / switch-managed	No

### Product functions / Redundancy

Product function	
<ul style="list-style-type: none"> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No

### Standards, specifications, approvals

Standard	
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- for FM
- for hazardous zone
- for safety / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4  
 EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X  
 UL 60950-1, CSA C22.2 No. 60950-1  
 EN 61000-6-4 (Class A)  
 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 232 y

#### 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

Security information Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

07/05/2019