



SCALANCE XB004-1LDG unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100/1000 Mbit/s RJ45 Ports electrical and 1 x 1000 Mbit/s SC-port optical (single-mode, glass), up to max. 10 km Manual available as a download .

<b>product type designation</b>	<b>SCALANCE XB004-1LDG</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 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	0
number of 1000 Mbit/s SC ports • for single mode (LD)	1
<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	12.5 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.52 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
<b>ambient conditions</b>	
ambient temperature • during operation • during storage • during transport	-10 ... +60 °C -40 ... +80 °C -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	0.168 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 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	124 y
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> </ul>	Yes
<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>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: 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="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, 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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4)

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