



SCALANCE XB108-2 unmanaged IE switch, 8x 10/100 Mbit/s Ports, 2x 100 Mbit/s multimode BFOC, for setting up small star and line topologies, LED diagnostics, IP20, redundant power supply 24 V AC/DC Manual available as a download .

| product type designation                                                           |                       |
|------------------------------------------------------------------------------------|-----------------------|
| product brand name                                                                 | SCALANCE              |
| product type designation                                                           | XB108-2               |
| transfer rate                                                                      |                       |
| transfer rate                                                                      | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / integrated                                        |                       |
| number of electrical connections<br>• for network components or terminal equipment | 8; RJ45               |
| number of 100 Mbit/s ST(BFOC) ports<br>• for multimode                             | 2                     |
| transmission method / of the optical interface                                     | 100BaseFX             |
| interfaces / other                                                                 |                       |
| number of electrical connections<br>• for power supply                             | 1                     |
| supply voltage, current consumption, power loss                                    |                       |
| product component / connection for redundant voltage supply                        | Yes                   |
| <b>type of voltage / 1 / of the supply voltage</b>                                 | DC                    |
| • supply voltage / 1 / rated value                                                 | 24 V                  |
| • power loss [W] / 1 / rated value                                                 | 7.2 W                 |
| • supply voltage / 1 / rated value                                                 | 19.2 ... 28.8 V       |
| • consumed current / 1 / maximum                                                   | 0.3 A                 |
| • product component / 1 / fusing at power supply input                             | Yes                   |
| • fuse protection type / 1 / at input for supply voltage                           | 0.6 A / 60 V          |
| <b>type of voltage / 2 / of the supply voltage</b>                                 | AC                    |
| • supply voltage / 2 / rated value                                                 | 19.2 ... 28.8 V       |
| ambient conditions                                                                 |                       |
| ambient temperature                                                                |                       |
| • during operation                                                                 | 0 ... 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                                                                             | compact               |
| width                                                                              | 80 mm                 |
| height                                                                             | 117 mm                |
| depth                                                                              | 109 mm                |
| net weight                                                                         | 0.34 kg               |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| fastening method                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• 35 mm top hat DIN rail mounting</li> <li>• wall mounting</li> <li>• S7-300 rail mounting</li> <li>• S7-1500 rail mounting</li> </ul>                                                                                                                                                                                                         | <p>Yes</p> <p>No</p> <p>No</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> <li>• switch-managed</li> </ul>                                                                                                                                                                                                                                                                      | <p>No</p> <p>Yes</p> <p>No</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PROFINET conformity class                                                                                                                                                                                                                                                                                                                                                             | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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>                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• CE marking</li> <li>• cULus approval</li> <li>• KC approval</li> <li>• Regulatory Compliance Mark (RCM)</li> </ul>                                                                                                                                                                                                                           | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| standard                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• for EMC interference emission</li> <li>• for immunity to EMC</li> <li>• for safety / from CSA and UL</li> </ul>                                                                                                                                                                                                                              | <p>EN 61000-6-4 (Class B)</p> <p>61000-6-2</p> <p>UL 60950-1, CSA C22.2 No. 60950-1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>standards, specifications, approvals / hazardous environments</b>                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• ATEX</li> <li>• UKEX</li> <li>• IECEx</li> <li>• ULhazloc approval</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• FM registration</li> </ul>                                                                                                                                                                        | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>standards, specifications, approvals / other</b>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>standards, specifications, approvals / Environmental Product Declaration</b>                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Environmental Product Declaration                                                                                                                                                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Global Warming Potential [CO2 eq]                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>                                                                                                                                                                                                                                    | <p>266.77 kg</p> <p>40.94 kg</p> <p>225.32 kg</p> <p>0.51 kg</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>product functions / general</b>                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MTBF                                                                                                                                                                                                                                                                                                                                                                                  | 71 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Warranty period                                                                                                                                                                                                                                                                                                                                                                       | 5 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>further information / internet links</b>                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| internet link                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</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="https://support.industry.siemens.com/cs/ww/de/view/109766358">https://support.industry.siemens.com/cs/ww/de/view/109766358</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></p> <p><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></p> <p><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></p> <p><a href="https://www.siemens.com/cax">https://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 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 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 cybersecurity measures that may be implemented, please visit [www.siemens.com/cybersecurity-industry](https://www.siemens.com/cybersecurity-industry). 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 Cybersecurity RSS Feed under <https://www.siemens.com/cert>. (V4.7)

### Approvals / Certificates

#### General Product Approval



[Declaration of Conformity](#)



#### EMV

#### For use in hazardous locations

#### Environment

[KC](#)



[FM](#)

[CCC-Ex](#)

[Confirmation](#)

#### Environment

#### Industrial Communication



[PROFINET](#)

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