



SCALANCE XB008 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 8x 10/100 Mbit/s twisted pair ports with RJ45 sockets; Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB008
Technical Product Detail Page	<a href="https://i.siemens.com/1P6GK5008-0BA10-1AB2">https://i.siemens.com/1P6GK5008-0BA10-1AB2</a>
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	8; RJ45
number of 100 Mbit/s SC ports	
• for multimode	0
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	
<b>type of voltage / 1 / of the supply voltage</b>	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	2.88 W
• supply voltage / 1 / voltage range	19.2 ... 28.8
• consumed current / 1 / maximum	0.12 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>type of voltage / 2 / of the supply voltage</b>	AC
• supply voltage / 2 / voltage range	19.2 ... 28.8
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	0.18 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
• S7-1500 rail mounting	No
<b>product functions / management, configuration, engineering</b>	
product function	
• multiport mirroring	No
• CoS	Yes
• switch-managed	No
PROFINET conformity class	A
<b>product functions / redundancy</b>	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• ULhazloc approval	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
• RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	114.08 kg
• during manufacturing	7.42 kg
• during operation	106.52 kg
• after end of life	0.14 kg
<b>product functions / general</b>	
MTBF	214 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>

- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.automation.siemens.com/bilddb>

<https://www.siemens.com/cax>

<https://support.industry.siemens.com>

### security information

security information

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### Approvals / Certificates

#### Environmental Product Declaration

- |  |           |
|--|-----------|
| • global warming potential [CO2 eq] / during manufacturing | 7.42 kg   |
| • global warming potential [CO2 eq] / during operation     | 106.52 kg |
| • global warming potential [CO2 eq] / after end of life    | 0.14 kg   |
| • global warming potential [CO2 eq] / total                | 114.08 kg |

#### Environment

#### General Product Approval



[Declaration of Con-  
formity](#)



#### General Product Approval

#### EMV

#### For use in hazard- ous locations



[China RoHS](#)



#### For use in hazardous locations

#### Test Certificates

#### Industrial Communication



[FM](#)

[CCC-Ex](#)

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cates/Test Report](#)

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