



SCALANCE XB116 unmanaged IE switch, 16x 10/100 Mbit/s RJ45 ports; 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	XB116
Technical Product Detail Page	<a href="https://i.siemens.com/1P6GK5116-0BA00-2AB2">https://i.siemens.com/1P6GK5116-0BA00-2AB2</a>
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	16; RJ45
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	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
<ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>	24 V
<ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>	4.8 W
<ul style="list-style-type: none"> <li>supply voltage / 1 / voltage range</li> </ul>	19.2 ... 28.8
<ul style="list-style-type: none"> <li>consumed current / 1 / maximum</li> </ul>	0.2 A
<ul style="list-style-type: none"> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul style="list-style-type: none"> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	0,6 A / 60 V
<b>type of voltage / 2 / of the supply voltage</b>	AC
<ul style="list-style-type: none"> <li>supply voltage / 2 / voltage range</li> </ul>	19.2 ... 28.8
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	0 ... 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 weights	
design	compact
width	80 mm
height	117 mm
depth	109 mm
net weight	0.375 kg
fastening method	

<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>	No
<ul style="list-style-type: none"> <li>• S7-300 rail mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• S7-1500 rail mounting</li> </ul>	No
<b>product functions / management, configuration, engineering</b>	
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
<ul style="list-style-type: none"> <li>• switch-managed</li> </ul>	No
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> </ul>	Yes
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• cULus approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• KC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Regulatory Compliance Mark (RCM)</li> </ul>	Yes
standard	
<ul style="list-style-type: none"> <li>• for EMC interference emission</li> </ul>	EN 61000-6-4 (Class B)
<ul style="list-style-type: none"> <li>• for immunity to EMC</li> </ul>	61000-6-2
<ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• ATEX</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• UKEX</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ULhazloc approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• FM registration</li> </ul>	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	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]	
<ul style="list-style-type: none"> <li>• total</li> </ul>	252.5 kg
<ul style="list-style-type: none"> <li>• during manufacturing</li> </ul>	26.6 kg
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	225.28 kg
<ul style="list-style-type: none"> <li>• after end of life</li> </ul>	0.6 kg
<b>product functions / general</b>	
MTBF	80 a
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> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to web page: SiePortal</li> </ul>	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	

security information

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### Approvals / Certificates

#### Environmental Product Declaration

• global warming potential [CO2 eq] / during manufacturing	26.6 kg
• global warming potential [CO2 eq] / during operation	225.28 kg
• global warming potential [CO2 eq] / after end of life	0.6 kg
• global warming potential [CO2 eq] / total	252.5 kg

#### General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)



#### General Product Approval

#### EMV

#### For use in hazardous locations



[China RoHS](#)



#### For use in hazardous locations

#### Test Certificates

#### Industrial Communication

[FM](#)

[CCC-Ex](#)

[Type Test Certificates/Test Report](#)

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