









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
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment 	16; RJ45
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> for power supply 	1
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
<ul style="list-style-type: none"> supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum product component / 1 / fusing at power supply input fuse protection type / 1 / at input for supply voltage 	24 V 4.8 W 19.2 ... 28.8 V 0.2 A Yes 0.6 A / 60 V
type of voltage / 2 / of the supply voltage	AC
<ul style="list-style-type: none"> supply voltage / 2 / rated value 	19.2 ... 28.8 V
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 60 °C -40 ... +80 °C -40 ... +80 °C
relative humidity	
<ul style="list-style-type: none"> 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	0.375 kg
fastening method	
<ul style="list-style-type: none"> 35 mm top hat DIN rail mounting wall mounting 	Yes No

<ul style="list-style-type: none"> • S7-300 rail mounting • S7-1500 rail mounting 	No
	No
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> • multiport mirroring • CoS • switch-managed 	No Yes No
PROFINET conformity class	A
product functions / redundancy	
product function	
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	Yes No
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • cULus approval • KC approval • Regulatory Compliance Mark (RCM) 	Yes Yes Yes Yes
standard	
<ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL 	EN 61000-6-4 (Class B) 61000-6-2 UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration 	Yes Yes Yes Yes Yes Yes
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
<ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life 	252.5 kg 26.6 kg 225.28 kg 0.6 kg
product functions / general	
MTBF	80 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	KF KFE
Warranty period	5 a
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/de/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
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,

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Approvals / Certificates

General Product Approval	EMV	For use in hazardous locations
 EG-Konf. Declaration of Conformity	 UL  RCM KC	 IECEX  ATEX
For use in hazardous locations	Environment	Industrial Communication
 ATEX FM	CCC-Ex Confirmation	PROFINET

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