

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	SCALANCE XB116
Transmission 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 / others	
Number of electrical connections	
<ul style="list-style-type: none"> for power supply 	1
<ul style="list-style-type: none"> for redundant voltage supply 	1
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	AC/DC
Supply voltage	
<ul style="list-style-type: none"> external 	24 V
<ul style="list-style-type: none"> external / minimum 	19.2 V
<ul style="list-style-type: none"> external / maximum 	28.8 V
<ul style="list-style-type: none"> at AC 	24 V

Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.2 A
Power loss [W]	
• at DC / at 24 V	4.8 W

Permitted 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 weight

Design	compact
Width	80 mm
Height	117 mm
Depth	109 mm
Net weight	0.375 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No

Product functions / management, configuration

Product function	
• multiport mirroring	No
• CoS	Yes
PROFINET conformity class	A
Product function / switch-managed	No

Product functions / Redundancy

Product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No

Standards, specifications, approvals

Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4

- for hazardous zone

EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc,
KEMA 07ATEX0145 X

- for safety / from CSA and UL

UL 60950-1, CSA C22.2 No. 60950-1

- for emitted interference

EN 61000-6-4 (Class B)

- for interference immunity

61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / hazardous environments

Certificate of suitability

- IECEx

Yes; IEC 60079-0, IEC 60079-15, IECEx DEK 14.0025X, Ex nA
IIC T4 Gc

Standards, specifications, approvals / miscellaneous

Certificate of suitability

EN 61000-6-2, EN 61000-6-4

- Regulatory Compliance Mark (RCM)

Yes

- KC approval

Yes

Standards, specifications, approvals / product conformity

MTBF

80 y

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

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

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

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

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

Security information

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