

Product type designation
Product description

SCALANCE XB216
Preset for Ethernet/IP mode!
SCALANCE XB216 MANAGEABLE LAYER 2 IE-SWITCH 16X
10/100 MBITS/S RJ45 PORTS 1X CONSOLE PORT DIAGNOSTICS
LED REDUNDANT POWER SUPPLY TEMP. RANGE 0 UP TO +60
DGR C DIN-RAIL MOUNTING ETHERNET/IP CONFORMAL
DEFAULT-ETHERNET/IP SETTING



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces	
Number of electrical/optical connections <ul style="list-style-type: none">• for network components or terminal equipment / maximum	16
Type of electrical connection <ul style="list-style-type: none">• for network components or terminal equipment	RJ45 port
Interfaces / for communication / integrated	
Number of electrical connections / for network components or terminal equipment	16
Number of 100 Mbit/s SC ports <ul style="list-style-type: none">• for multimode	0
Number of 1000 Mbit/s LC ports <ul style="list-style-type: none">• for multimode• for single mode (LD)	0 0

Interfaces / others

Number of electrical connections	
• for operator console	1
• for management purposes	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for operator console	RJ11 port
• for management purposes	RJ45 port
• for power supply	6-pole terminal block

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	19.2 ... 28.8 V
Product component / fusing at power supply input	Yes

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP24

Design, dimensions and weight

Design	compact
Width	80 mm
Height	121 mm
Depth	113 mm
Material / of the enclosure	Plastic
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of $< \sim 0.3 \text{ s}$	50
Cascading in cases of star topology	any (depending only on signal propagation time)

Product functions / management, configuration

Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• RMON	Yes
• Port mirroring	Yes
• multiport mirroring	No
• CoS	Yes
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Telegram length / for Ethernet / maximum	1522 byte
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• IGMP (snooping/querier)	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes

Product functions / Diagnosis

Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes
• SysLog	Yes

- loopback diagnostics

Yes

Product functions / VLAN

Product function

- VLAN - port based
- VLAN - protocol-based
- VLAN - IP-based
- VLAN dynamic

Yes

No

No

No

Product functions / DHCP

Product function

- DHCP client

Yes

Product functions / Redundancy

Product function

- Ring redundancy
- High Speed Redundancy Protocol (HRP)
- high speed redundancy protocol (HRP) with redundancy manager
- high speed redundancy protocol (HRP) with standby redundancy

Yes

Yes

Yes

No

Protocol / is supported / Media Redundancy Protocol (MRP)

Yes

Product function

- media redundancy protocol (MRP) with redundancy manager
- redundancy procedure STP
- redundancy procedure RSTP
- redundancy procedure MSTP
- Passive listening

Yes

Yes

Yes

Yes

Yes

Product functions / Security

Product function

- ACL - MAC-based
- IEEE 802.1x (radius)
- Broadcast/Multicast/Unicast Limiter
- broadcast blocking

Yes

Yes

Yes

Yes

Protocol / is supported

- SSH

Yes

Product functions / Time

Product function

- SICLOCK support

Yes

Protocol / is supported

- NTP

Yes

- SNTP

Yes

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T8
<ul style="list-style-type: none"> • for hazardous zone 	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-5
<ul style="list-style-type: none"> • for hazardous zone / from CSA and UL 	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T8
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-6
Certificate of suitability	EN 61000-6-2, EN 61000-6-8
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • C-Tick 	Yes
<ul style="list-style-type: none"> • KC approval 	Yes
<ul style="list-style-type: none"> • Railway application in accordance with EN 50155 	No
<ul style="list-style-type: none"> • Railway application in accordance with EN 50124-1 	No
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	No
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	No
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	No
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	No
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	No

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

Security information

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