6GK5216-0BA00-2TB2

Data sheet



SCALANCE XB216 managed Layer 2 IE switch, 16X 10/100 Mbit/s RJ45 ports, 1x console port, diagnostics LED red redundant power supply; IEC 62443-4-2 certified; temperature range 0 to +60 °C DIN-rail mounting; default EtherNet/IP.

product type designation	SCALANCE XB216
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
number of ports / maximum	16
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	16; RJ45
interfaces / other	
number of electrical connections	
 for operator console 	1
 for management purposes 	1
for power supply	1
type of electrical connection	
 for operator console 	RJ11
 for management purposes 	RJ45
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	6.7 W
supply voltage / 1 / rated value	19.2 28.8 V
 consumed current / 1 / maximum 	0.28 A
 type of electrical connection / 1 / for power supply 	6-pole terminal block
 product component / 1 / fusing at power supply input 	Yes
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	IP20
design, dimensions and weights	
design	Box
width	80 mm
height	117 mm
depth	109 mm

net weight	0.4 kg	
material / of the enclosure	Plastic	
fastening method		
35 mm top hat DIN rail mounting	Yes	
product features, product functions, product components	/ general	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50	
cascading in cases of star topology	any (depending only on signal propagation time)	
product functions / management, configuration, engineeri	ng	
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	
 PROFINET IO diagnosis 	Yes	
PROFINET conformity class	В	
product function / switch-managed	Yes	
telegram length / for Ethernet / maximum	1522 byte	
protocol / is supported		
Telnet	Yes	
• HTTP	Yes	
• HTTPS	Yes	
• TFTP	Yes	
• FTP	Yes	
• DCP	Yes	
• LLDP	Yes	
• EtherNet/IP	Yes	
• SNMP v1	Yes	
• SNMP v2	Yes	
• SNMP v3	Yes	
IGMP (snooping/querier)	Yes	
identification & maintenance function		
• I&M0 - device-specific information	Yes	
 I&M1 – higher level designation/location designation 	Yes	
product functions / diagnostics		
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	Yes	
product functions / DHCP		
product function		
DHCP client	Yes	
	160	
product functions / redundancy		
product function	Voc	
ring redundancy High Speed Redundancy Protectal (HPR)	Yes	
High Speed Redundancy Protocol (HRP) High speed redundancy protocol (HRP) with	Yes	
 high speed redundancy protocol (HRP) with redundancy manager 	Yes	
 high speed redundancy protocol (HRP) with standby 	Yes	
- riigh opeca readification protocol (riixi) with stallaby	100	

protocy / is supported / Media Redundancy Protocol (MRP) product function - media Redundancy protocol (MRP) with redundancy manager - Media Redundancy procedure STP - edundancy procedure RSTP - edundancy procedure RSTP - Parallel Redundancy Protocol (PRP) operation in the PRP-Review of the PRP-	redundancy	
(MRP) product function	protocol / is supported / Media Redundancy Protocol	Yes
Media Redundancy Protocol Interconnection (MRP-) Media Redundancy Protocol Interconnection (MRP-) Media Redundancy Protocol Interconnection (MRP-) Media Redundancy procedure STP	(MRP)	
**Media Redundancy Protocol Interconnection (MRP-1) **edundancy procedure STP	product function	
redundancy procedure RSTP		Yes
eredundancy procedure RSTP	and the same of th	Yes
eredundancy procedure RSTP	 redundancy procedure STP 	Yes
redundancy procedure RSTP+ Parallel Redundancy Protocol (PRP)/operation in the PRP-network * passive listening protocol // is supported * LACP		Yes
Parallel Redundancy Protocol (PRP)/operation in the PRP-network passive listening protocol / is supported LCCP Product function ACL - MAC-based ACL - port/MAC-based ACL	 redundancy procedure RSTP+ 	Yes
protocol / is supported		No
• LACP Product functions / security product function • ACL - MAC-based Yes • ACL - Nort/MAC-based Yes • ACL - port/MAC-based Yes • ACL - port/MAC-based Yes • EEEE 802.1x (radius) Yes • broadcast/multicast/unicast limiter Yes • SSH Yes • SSL Yes • SSL Yes • SCLOCK support Yes • NTP-client Yes • SNTP Yes • SNTP Yes • SNTP Yes • SNTP Yes • STandards specifications, approvals • standard • for FM If (Jass 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 • for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1 • for interference immunity EN 61000-6-2 • according to IEC 81346-2 KFE • according to IEC 81346-2 KF	passive listening	Yes
product functions / security product function	protocol / is supported	
product function ACL - MAC-based ACL - port/MAC-based ACL - port/MAC-based Yes - ACL - port/MAC-based - EEE 802.1x (radius) - broadcast/multicast/unicat limiter - broadcast blocking - yes - product functions / time - product functions / time - product function - SICLOCK support - SNTP - SNTP - SNTP - yes - Yes - SNTP - yes - SNTP - yes - Yes - SNTP - yes - Yes - SNTP - yes - Y	• LACP	Yes
• ACL - MAC-based • ACL - port/MAC-based • SER • broadcast/multicast/unicast limiter • broadcast blocking protocol / Is supported • SSH • SSL	product functions / security	
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CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability		ATEX 0145X
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further information / internet-Links	from CSA and UL certificate of suitability	ATEX 0145X 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 Yes
further information / internet-Links	from CSA and UL certificate of suitability	ATEX 0145X 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 Yes EN 61000-6-2, EN 61000-6-4
	from CSA and UL certificate of suitability	ATEX 0145X 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 Yes EN 61000-6-2, EN 61000-6-4 Yes
HINALINA LUIN	from CSA and UL certificate of suitability	ATEX 0145X 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 Yes EN 61000-6-2, EN 61000-6-4 Yes

• to web page: selection aid TIA 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/tia-selection-tool

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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