SIEMENS

Data sheet   **6GK5208-0BA00-2TB2**

SCALANCE XB208 managed Layer 2 IE switch 8x 10/100 Mbit/s RJ45 ports 1x console port, diagnostics LED redundant power supply IEC 62443-4-2 certified; temperature range 0 to +60 °C DIN-rail mounting; default EtherNet/IP.

product type designation	SCALANCE XB208
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
number of ports / maximum	8
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	8; 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
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.17 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	compact
width	40 mm
height	117 mm
depth	109 mm
net weight	0.25 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, engineering	
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	B
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

product functions / redundancy	
product function	
● ring redundancy	Yes
● High Speed Redundancy Protocol (HRP)	Yes
● high speed redundancy protocol (HRP) with redundancy manager	Yes
● high speed redundancy protocol (HRP) with standby redundancy	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes

● Media Redundancy Protocol Interconnection (MRP-I)	Yes
● redundancy procedure STP	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure RSTP+	Yes
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	No
● passive listening	Yes
protocol / is supported	
● LACP	Yes

product functions / security	
product function	
● ACL - MAC-based	Yes
● ACL - port/MAC-based	Yes
● IEEE 802.1x (radius)	Yes
● broadcast/multicast/unicast limiter	Yes
● broadcast blocking	Yes
protocol / is supported	
● SSH	Yes
● SSL	Yes

product functions / time	
product function	
● SICLOCK support	Yes
● NTP-client	Yes
● SNTP client	Yes
protocol / is supported	
● SNTP	Yes

standards, specifications, approvals	
standard	
● for emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-2
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
certificate of suitability / RoHS conformity	Yes; 2011/65/EU

standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
certificate of suitability	
● CCC / for hazardous zone according to GB standard	Yes

standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
● C-Tick	Yes
● KC approval	Yes

further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens

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