SIEMENS

Data sheet

6GK5208-0HA00-2AS6



SCALANCE XP208, managed IE switch, 8x 10/100 Mbps M12 ports, IP65, LED diagnostics, error signaling contact, Redundant power supply, PROFINET IO device, network management, operable in redundant ring, Dust caps, incl. electronic Manual on CD-ROM, Cplug optional

Product type designation	SCALANCE XP208
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
 for network components or terminal equipment 	8
Number of 10/100 Mbit/s M12-ports (D-coded) /	8
Integrated	
Interfaces / other	
Number of electrical connections	
• for operator console	1
 for signaling contact 	1
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
• for operator console	5 pin M12 socket (A coded)
 for signaling contact 	5-pin M12 connector (B-coded)
• for power supply	4-pin M12 plug (A-coded)

design of the removable storage	
• C-PLUG	Yes
Signal inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	19.2 V
• external / maximum	28.8 V
Supply voltage / 1 / Rated value	
 Consumed current / 1 / at rated supply voltage / maximum 	0.2 A
 Power loss [W] / 1 / Rated value 	4.8 W
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	5 A / 60 V
Consumed current / maximum	0.21 A
Power loss [W]	
• at DC / at 24 V	5 W
Ambient conditions	
Ambient temperature	
 during operation 	-40 +70 °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	IP65
Design, dimensions and weight	
Design	compact
Width	200 mm
Height	200 mm
Depth	49 mm
Net weight	1.8 kg
Material / of the enclosure	Aluminum
Mounting type	ET200pro module carrier
• wall 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, en	gineering
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 	Yes
• CoS	Yes
 with IRT / PROFINET IO switch 	No
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
Product function / switch-managed	Yes
Telegram length / for Ethernet / maximum	1518 byte
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• 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

	Yes
Statistics packet typeError statistics	Yes
	Yes
SysLogloopback diagnostics	Yes
Product functions / VLAN	
Product function	
 VLAN - port based 	Yes
 VLAN - protocol-based 	No
VLAN - IP-based	No
VLAN dynamic	No
Number of VLANs / maximum	4094
Product functions / DHCP	
Product function	
DHCP server	Yes
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
Product functions / redundancy	
Product function	
 of the PROFINET IO device / is supported / PROFINET system redundancy (S2) 	Yes
 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
 of the PROFINET IO device / is supported / H- Sync forwarding 	Yes
 redundancy procedure RSTP 	Yes
 redundancy procedure MSTP 	Yes
Passive listening	Yes
Product functions / Security	
Product function	
RADIUS client	Yes

 SSH Yes SSL Yes Product functions / time Product function SICLOCK support SICLOCK support Yes NTP-client Yes Protocol / is supported NTP SNTP client Yes Protocol / is supported NTP Yes Protocol / is supported NTP Yes Product function during operation Product function / configuration in RUN via CiR/H- CiR Standards, specifications, approvals Standard for FM for FM for hazardous zone for safety / from CSA and UL Wes	Protocol / is supported		
• SSL Yes Product functions * Product function * SICLOCK support Yes • NTP-client Yes • NTP-client Yes • NTP Yes • NTP Yes • SNTP Yes • SNTP Yes • SNTP Yes System modification during operation * Product function / configuration in RUN via CIR/H- CiR Yes Standard * • for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2 GP. IIC, T4 • for FM FM3611: Class 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 safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1 • for emitted interference EN 61000-6-2 (Sec. 210, C1 / Zone 2 (GP. IIC, T4 • for interference immunity EN 61000-6-2 Standards, specifications, approvals / CE * Certificate of suitability / CE marking Yes Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other *		Yes	
Product functions / time Product function • SICLOCK support • NTP-client • NTP-client • SNTP client • NTP • NTP • NTP • SNTP • SNTP • SNTP • SNTP Yes • SNTP Yes System modification during operation Product function / configuration in RUN via CIR/H- CiR Standard • for FM • for FM • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for interference • for interference immunity EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Certificate of suitability / RoHS conformity Yes Certificate of suitability		Yes	
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Product function / configuration in RUN via CiR/H- CiR Yes Standards, specifications, approvals FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2 GP. IIC, T4 • 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 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X • for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1 • 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, T4 • for emitted interference EN 61000-6-4 (Class A) • for interference immunity EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Yes Standards, specifications, approvals / other Yes	• SNTP	Yes	
CIR 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 for safety / from CSA and UL vulceoptications, approvals for hazardous zone / from CSA and UL for hazardous zone / from CSA and UL for emitted interference FN 61000-6-4 (Class A) FN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Standards, specifications, approvals / other Certificate of suitability / RoHS conformity	System modification during operation		
Standards, specifications, approvals Standard • for FM • for hazardous zone • for hazardous zone • for safety / from CSA and UL • for hazardous zone / from CSA and UL • for hazardous zone / from CSA and UL • for emitted interference • for emitted interference • for interference immunity EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability	Product function / configuration in RUN via CiR/H-	Yes	
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GP. IIC, T4• for hazardous zoneEN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X• for safety / from CSA and ULUL 60950-1, CSA C22.2 No. 60950-1• for hazardous zone / from CSA and ULANSI / 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, T4• for emitted interferenceEN 61000-6-4 (Class A)• for interference immunityEN 61000-6-2Standards, specifications, approvals / CECertificate of suitability / CE markingYesStandards, specifications, approvals / otherCertificate of suitability / RoHS conformityYes	Standard		
of ATEX 0145X• for safety / from CSA and ULUL 60950-1, CSA C22.2 No. 60950-1• for hazardous zone / from CSA and ULANSI / 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, T4• for emitted interferenceEN 61000-6-4 (Class A)• for interference immunityEN 61000-6-2Standards, specifications, approvals / CECertificate of suitability / CE markingYesCertificate of suitability / RoHS conformityYesStandards, specifications, approvals / otherCertificate of suitability / RoHS conformityYes	• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4	
 for hazardous zone / from CSA and UL for emitted interference for interference immunity 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, T4 EN 61000-6-4 (Class A) EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Standards, specifications, approvals / other Certificate of suitability / RoHS conformity Yes 	 for hazardous zone 	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X	
GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 • for emitted interference • for interference immunity EN 61000-6-4 (Class A) EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability / RoHS conformity Yes	 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1	
 for emitted interference for interference immunity EN 61000-6-4 (Class A) EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability 	 for hazardous zone / from CSA and UL 	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 /	
for interference immunity EN 61000-6-2 Standards, specifications, approvals / CE Certificate of suitability / CE marking Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability		GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4	
Standards, specifications, approvals / CE Certificate of suitability / CE marking Yes Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability Certificate of suitability Yes	 for emitted interference 	EN 61000-6-4 (Class A)	
Certificate of suitability / CE marking Yes Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability Certificate of suitability Ves	 for interference immunity 	EN 61000-6-2	
Certificate of suitability / RoHS conformity Yes Standards, specifications, approvals / other Certificate of suitability	Standards, specifications, approvals / CE		
Standards, specifications, approvals / other Certificate of suitability	Certificate of suitability / CE marking	Yes	
Certificate of suitability	Certificate of suitability / RoHS conformity	Yes	
Certificate of suitability	Standards, specifications, approvals / other		
• C-Tick Yes			
	• C-Tick	Yes	
 Railway application in accordance with EN No 	 Railway application in accordance with EN 	No	
50155			
Railway application in accordance with EN No	 Railway application in accordance with EN 	No	
50124-1	50124-1		
• KC approval Yes	• KC approval	Yes	
Standards, specifications, approvals / marine classification Marine classification association			
American Bureau of Shipping Europe Ltd. Yes	• American Bureau of Shipping Europe Ltd.	Yes	
(ABS) • Bureau Veritas (BV) Yes		Yes	

• DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
accessories	
Product extension / optional / C-PLUG	Yes
Further information / Internet-Links	
Internet-Link	
 to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
• 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

last modified:

02/05/2020

components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Thirdparty products that may be in use should also be considered. For

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more information about industrial security, visit

http://support.automation.siemens.com. (V3.4)

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