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Data sheet 6GK5208-0GA01-2AF2



SCALANCE XFM208G flat managed layer 2 IE switch; 8 x 1 Gbps RJ45 ports; redundant 24 V DC power supply; temperature range -40 °C to +60 °C; SINEC OS; PROFINET IO device CC-B; CLP slot; DIN-rail mounting;

product type designation	
product brand name	SCALANCE
product type designation	XFM208G
Technical Product Detail Page	https://i.siemens.com/1P6GK5208-0GA01-2AF2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	8; RJ45
number of 10/100/1000 Mbit/s RJ45 ports	
● with securing collar	8
interfaces / other	
number of electrical connections	
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for signaling contact	2-pole terminal block
● for power supply	4-pole terminal block
design of the removable storage	
● CLP	Yes
operating voltage / of the signaling contacts	
● at DC / rated value	24 V
operational current / of the signaling contacts	
● at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	6.5 W
● power loss [W] / at DC / at 24 V / typical	6 W
● supply voltage / 1 / voltage range	19.2 ... 31.2
● consumed current / 1 / maximum	0.27 A
● consumed current / at DC / at 24 V / typical	0.25 A
● type of electrical connection / 1 / for power supply	4-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	F 1,5 A / 250 V
ambient conditions	
ambient temperature	

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● during operation	-40 ... +60 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +85 °C
● note	during transport >1 year max. +40°C
ambient temperature / in horizontal mounting position / during operation	-40 ... +60 °C; Starting at -40 °C; The maximum ambient temperature during operation depends on the operating height and the plug-in transceivers, see also manual.
installation altitude / at height above sea level / maximum	4000 m
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
operating condition / fanless operation	Yes
protection class IP	IP20
design, dimensions and weights	
design	flat
width	75 mm
height	120 mm
depth	64 mm
net weight	0.221 kg
material / of the enclosure	Polycarbonate (PC-GF10)
fastening method	35 mm DIN rail according to EN 60715
● 35 mm DIN-rail mounting	Yes
● wall mounting	No
● S7-300 rail mounting	No
● S7-1500 rail mounting	No
type of cable outlet	cable outlet bottom
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 function	
● QoS according to DSCP	Yes
product feature	
● Store & Forward switching method	Yes
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	No
● SMTP server	No
● port mirroring	Yes
● multiport mirroring	No
● Encapsulated Remote Traffic Mirroring (ERTM)	No
● CoS	Yes
● PROFINET IO diagnosis	Yes
● switch-managed	Yes
PROFINET conformity class	B
network load class / according to PROFINET	III
telegram length / for Ethernet / maximum	2048 byte
protocol / is supported	
● Telnet	No
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● SFTP	Yes
● BOOTP	No

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● NETCONF	Yes
● GMRP	Yes
● DCP	Yes
● LLDP	Yes
● EtherNet/IP	No
● 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
product functions / VLAN	
product function	
● VLAN - port based	Yes
● VLAN - protocol-based	No
● VLAN - IP-based	No
● VLAN dynamic	Yes
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
product functions / DHCP	
product function	
● DHCP server	No
● DHCP client	Yes
● DHCP Option 82	No
● DHCP Option 66	Yes
● DHCP Option 67	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● Media Redundancy Protocol Interconnection (MRP-I)	No
● Media Redundancy Protocol for Planned Duplication (MRPD)	No
● of the PROFINET IO device / is supported / H-Sync forwarding	Yes
● of the PROFINET IO device / is supported / PROFINET system redundancy	Yes
● ring redundancy	Yes
● high speed redundancy protocol (HRP) with redundancy manager	No
● high speed redundancy protocol (HRP) with standby redundancy	No
● redundancy procedure STP	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure RSTP+	No
● redundancy procedure MSTP	Yes
● passive listening	Yes
● eRSTP	No
protocol / is supported	
● STP/RSTP	Yes

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● STP	No
● RSTP	Yes
● MSTP	Yes
● LACP	No
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product conformity / according to IEEE 802.1X-port based Network Access Control	Yes
product function	
● IEEE 802.1x (radius)	Yes
● RADIUS client	Yes
● broadcast/multicast/unicast limiter	No
● broadcast blocking	No
protocol / is supported	
● RADIUS	Yes
● SSH	Yes
● SSL	Yes
product functions / time	
product function	
● SICLOCK support	Yes
● NTP-client	Yes
● SNTP client	No
protocol / is supported	
● NTP	Yes
● SNTP	Yes
● IEEE 1588 profile default	No
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UKCA marking	Yes
● Regulatory Compliance Mark (RCM)	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
● for EMC interference emission	EN 61000-6-4
● for immunity to EMC	EN 61000-6-2
● for safety / from CSA and UL	in preparation
standards, specifications, approvals / other	
certificate of suitability	
● RoHS conformity	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	No
standards, specifications, approvals / marine classification	
certificate of suitability / shipbuilding approval / note	available soon
standards, specifications, approvals / Environmental Product Declaration	
Siemens eco profile (SEP)	available soon
product functions / general	
MTBF	47 a
reference temperature / for MTBF determination	40 °C
warranty period	5 a
product function / is supported / identification link	Yes
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax

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● to website: Industry Online Support	https://support.industry.siemens.com

security information

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Approvals / Certificates

General Product Approval				Industrial Communication
Miscellaneous	RCM	China RoHS	CE EG-Konf.	PROFINET

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