

Siemens 6GK5408-8GR00-2AM2 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation SCALANCE XM408-8C

Description

6GK5408-8GR00-2AM2

SCALANCE XM408-8C; managed modular IE switch; 8x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP; contains 8 combo ports; in total 8 ports can be used; expandable to 24 ports electrical or optical; assembly: DIN rail/S7 mounting rail, PROFINET IO device; redundancy functions; office features (RSTP, VLAN, IGMP,...); C-PLUG in scope of supply; layer 3 integrated.

product type designation SCALANCE XM408-8C

transfer rate

transfer rate 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s

number of ports / maximum 24

interfaces / for communication / maximum configuration for modular devices

number of electrical ports / maximum 24

number of electrical ports / with PoE / maximum 16

number of optical ports / maximum 24

interfaces / for communication / integrated

number of electrical connections

- for network components or terminal equipment 8; RJ45 with securing collar

number of 10/100/1000 Mbit/s RJ45 ports / integrated

- with securing collar 8

number of electrical connections

- for SFP 8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver

number of combo ports / with RJ45 interface for optical plug-in transceiver

8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver

number of connectable extender modules 2

interfaces / for communication / plug-in

number of 10/100/1000 Mbit/s RJ45 ports

- with securing collar 16

- with securing collar / with PoE 16

number of 100 Mbit/s LC ports

- for multimode 24

- for single mode (LD) 24

- for single mode (LH+) 24

- for single mode (ELH200) 24

number of 1000 Mbit/s LC ports

- for multimode 24

- for single mode (LD) 24

- for single mode (LH) 24

- for single mode (LH+) 24

- for single mode (ELH) 24

number of electrical connections

- for SFP 24; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver

interfaces / other

number of electrical connections

- for operator console 1

- for management purposes 1

- for signaling contact 1

for power supply 1

type of electrical connection

- for operator console RJ11

- for management purposes RJ45

- for signaling contact 2-pole terminal block

number of extender expansion interfaces 2

design of the removable storage

- C-PLUG Yes

- C-PLUG/KEY-PLUG Yes

product feature / hot-swappable interface modules Yes

signal inputs/outputs

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

supplied active power / of PSE / with PoE

- per port / maximum 30 W

- total / maximum 360 W

type of voltage / 1 / of the supply voltage DC

- supply voltage / 1 / rated value 24 V

- power loss [W] / 1 / rated value 48 W

- supply voltage / 1 / rated value 19.2 ... 28.8 V

- consumed current / 1 / maximum 2 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 15 A / 125 V

ambient conditions

ambient temperature

- during operation -40 ... +70 °C

- during storage -40 ... +85 °C

- during transport -40 ... +85 °C

relative humidity

- at 25 °C / without condensation / during operation /

maximum

95 %

protection class IP IP20

design, dimensions and weights

design modular

width 140 mm

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height 147 mm

depth 125 mm

net weight 1.15 kg

fastening method

- 35 mm top hat DIN rail mounting Yes
- S7-300 rail mounting Yes
- S7-1500 rail mounting Yes

product features, product functions, product 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, 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 Yes

• CoS Yes

• PROFINET IO diagnosis Yes

PROFINET conformity class B

product function / switch-managed Yes

telegram length / for Ethernet / maximum 9216 byte

protocol / is supported

- Telnet Yes
- HTTP Yes
- HTTPS Yes
- TFTP Yes
- FTP Yes
- BOOTP Yes
- GMRP 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

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- error statistics Yes

- SysLog Yes

product functions / VLAN

product function

- VLAN - port based Yes

- VLAN - protocol-based Yes

- VLAN - IP-based Yes

- VLAN dynamic Yes

number of VLANs / maximum 255

number of VLANs - dynamic / maximum 255

protocol / is supported / GVRP Yes

product functions / DHCP

product function

- DHCP client Yes

- DHCP Option 82 Yes

- DHCP Option 66 Yes

- DHCP Option 67 Yes

product functions / routing

service / routing / note IP routing integrated

product function

- static IP routing Yes

- static IP routing IPv6 Yes

- dynamic IP routing Yes

- dynamic IP routing IPv6 Yes

protocol / is supported

- RIPv2 Yes

- RIPv6 for IPv6 Yes

- OSPFv2 Yes

- OSPFv3 for IPv6 Yes

- VRRP Yes

- VRRP for IPv6 Yes

product functions / redundancy

product function

- of the PROFINET IO device / is supported / PROFINET

system redundancy

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

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- Media Redundancy Protocol Interconnection (MRP-I) Yes
- of the PROFINET IO device / is supported / H-Sync

forwarding

Yes

- redundancy procedure STP Yes
- redundancy procedure RSTP Yes
- redundancy procedure RSTP+ Yes
- redundancy procedure MSTP Yes
- 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

- NTP Yes
- SNTP Yes

system modification during operation

product function / configuration in RUN via CiR/H-CiR Yes

standards, specifications, approvals

standard

- for FM FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
- for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
- for emitted interference EN 61000-6-4 (Class A)
- for interference immunity EN 61000-6-2

MTBF 28 a

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: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X, IECEx DEK 14.0025X

- from CSA and UL ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4

certificate of suitability

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- CCC / for hazardous zone according to GB standard Yes; GB3836.1, GB3836.8
- CCC / for hazardous zone according to GB standard / as marking

Ex nA IIC T4 Gc

standards, specifications, approvals / other

certificate of suitability EN 61000-6-2, EN 61000-6-4

- C-Tick Yes
- KC approval Yes

standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS) Yes
- French marine classification society (BV) Yes
- DNV GL Yes
- Lloyds Register of Shipping (LRS) Yes
- Nippon Kaiji Kyokai (NK) Yes
- Polski Rejestr Statkow (PRS) Yes
- Royal Institution of Naval Architects (RINA) Yes

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