SIEMENS

Data sheet

Product type designation

6GK5408-8GR00-2AM2



SCALANCE XM408-8C

SCALANCE XM408-8C; MANAGED MODULAR IE SWITCH; LAYER 3 INTEGRATED; 8 X 10/100/1000 MBIT/S RJ45; 8 X 100/1000 MBIT/S SFP; CONTAINS 8 COMBO PORTS; USABLE 8 PORTS IN TOTAL; EXPANDABLE TO 24 PORTS ELEKTRICAL OR OPTICAL; MOUNTING DIN-/S7-PROFILE-RAIL; PROFINET-IO DEVICE; REDUNDANCY FUNCTIONS; OFFICE FEATURES (RSTP, VLAN, IGMP,..); C-PLUG IN SCOPE OF SUPPLY

Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
Number of ports / maximum	24
	dian fan weedulen de dee
Interfaces / for communication / maximum configura	
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	8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
optical plug-in transceiver	
Number of connectable extender modules	2
Number of electrical connections • for SFP Number of combo ports / with RJ45 interface for optical plug-in transceiver	8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver 8; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver

Interfaces / for communication / pluggable / maximu	um
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 / others	
Number of electrical connections	
• for operator console	1
 for management purposes 	1
 for signaling contact 	1
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
 for operator console 	RJ11 port
 for management purposes 	RJ45 port
 for signaling contact 	2-pole terminal block
• for power supply	4-pole terminal block
Number of extender expansion interfaces	2
design of the removable storage	
• 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
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage supply / redundant power supply unit	No

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	19.2 28.8 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	F 15 A / 125 V
Consumed current / maximum	2 A
Power loss [W]	
• at DC / at 24 V	48 W
Supplied active power / of PSE / with PoE	
● per port / maximum	30 W
● total / maximum	360 W
Permitted 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 	95 %
operation / maximum	
Protection class IP	IP20
Design, dimensions and weight	
Design	SIMATIC S7-1500 device design
Width	140 mm
Height	147 mm
Depth	125 mm
Net weight	1.15 kg
Mounting type	
• 19-inch installation	No
 35 mm DIN rail mounting 	Yes
 wall mounting 	No
• S7-300 rail mounting	Yes
 S7-1500 rail mounting 	Yes
Product properties, functions, components / general	
Cascading in cases of star topology	any (depending only on signal propagation time)
Product functions / management, configuration	
Product function	
• CLI	Yes
 web-based management 	Yes
MIB support	Yes

 Configuration with STEP 7 	Yes
• RMON	Yes
 Port mirroring 	Yes
 multiport mirroring 	Yes
• CoS	Yes
 PROFINET IO diagnosis 	Yes
 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
 IGMP (snooping/querier) 	Yes
Identification & maintenance function	
 I&M0 - device-specific information 	Yes
 I&M1 – higher-level designation/location 	Yes
designation	
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
Product functions / Diagnosis	
Product function	
Port diagnostics	Yes
Statistics Packet Size	Yes
 Statistics packet type 	Yes
• Error statistics	Yes
● SysLog	Yes
Due du st france //// AN	
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
	200

Protocol / is supported / GVRP Yes Product functions DHCP Option 82 • DHCP Option 82 Yes • DHCP Option 86 Yes • DHCP Option 87 Yes Product functions / Routing Yes Service / Routing / Note IP routing integrated, IPv6 available soon Product functions / Routing Yes Static IP routing IPv6 No • dynamic IP routing IPv6 No • dynamic IP routing IPv6 No • Optor Fir2 Yes • RIPv2 Yes • RIPv3 Yes • OSPFv3 for IPv6 No • OSPFv3 for IPv6 No • OSPFv3 for IPv6 No • VRRP tor IPv6 No • Product function Yes • High Speed redundancy Protocol (HRP) Yes • High Speed redundancy Protocol (HRP) with redundancy manager Yes • high speed redundancy Protocol (HRP) with redundancy manager Yes • India redundancy Protocol (HRP) with redundancy manager Yes	Number of VLANs - dynamic / maximum	255
Product function Yes DHCP Option 82 Yes DHCP Option 86 Yes DHCP Option 67 Yes Product functions / Routing IP routing integrated, IPv6 available soon Product function IP routing integrated, IPv6 available soon Product function Yes • Static IP routing IPv6 No • dynamic IP routing IPv6 No • dynamic IP routing IPv6 No • RIPv2 Yes • RIPv3 Yes • RIPv3 Yes • OSPFv2 Yes • OSPFv2 Yes • OSPFv2 Yes • VRRP for IPv6 No Product function Yes • High Speed Redundancy Protocol (HRP) with redundancy anager Yes • high speed redundancy protocol (HRP) with redundancy manager Yes • Ingin seed redundancy protocol (MRP) with redundancy manager Yes • redundancy protocol (MRP) with redundancy protocol (MRP) Yes • redundancy proto	Protocol / is supported / GVRP	Yes
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DHCP Option 82 Yes DHCP Option 66 Yes DHCP Option 67 Yes Product functions / Routing IP routing integrated, IPv6 available soon Product function IP routing integrated, IPv6 available soon Product function IP routing integrated, IPv6 available soon Product function IP routing IPv6 Static IP routing IPv6 No dynamic IP routing IPv6 No Protocol / is supported IP routing IPv6 RIPv2 Yes OSPFv2 Yes OSPFv3 for IPv6 No VRRP Yes VRP Yes VRP Yes VRP for IPv6 No Product function Yes Product function Yes VRP Yes VRP for IPv6 No Product function Yes No Yes Product function Yes Product function Yes No Yes High Speed redundancy protocol (HRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy pr		Yes
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DHCP Option 67 Yes Product functions / Routing IP routing integrated, IPv6 available soon Product function Static IP routing IPv6 Static IP routing IPv6 No - dynamic IP routing IPv6 No Protocol / is supported Yes - RIPv2 Yes - RIPv2 Yes - OSPFv2 Yes - OSPFv2 Yes - OSPFv2 Yes - OSPFv2 Yes - VRRP Yes - VRRP for IPv6 No Product function Yes - VRRP for IPv6 No Product function Yes - Nigh speed redundancy Yes - High Speed Redundancy Protocol (HRP) with standby redundancy protocol (HRP) with redundancy protocol (HRP) with redundancy protocol (HRP) with redundancy protocol (HRP) with redundancy manager - Inigh speed redundancy protocol (HRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy manager - Product function Yes - media redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy manager Yes - redundancy procedure STP Yes - redundancy procedure STP Yes - redundancy procedure MSTP Yes - Passive listening	·	
Product functions / Routing / Note IP routing integrated, IPv6 available soon Product function Yes • Static IP routing IPv6 No • dynamic IP routing IPv6 No • dynamic IP routing IPv6 No • dynamic IP routing IPv6 No • RIPv2 Yes • RIPv2 Yes • RIPv2 for IPv6 No • OSPFv2 represented Yes • VRRP Yes • VRRP for IPv6 No • VRRP for IPv6 Yes • High Speed redundancy Protocol (HRP) with redundancy manager Yes • High Speed redundancy protocol (HRP) with redundancy manager Yes • Troduct function Yes • redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy procedure STP		
Service / Routing / Note IP routing integrated, IPv6 available soon Product function Yes • Static IP routing IPv6 No • dynamic IP routing IPv6 No • dynamic IP routing IPv6 No Protocol / is supported Yes • RIPv2 Yes • RIPv3 for IPv6 No • OSPFv2 Yes • OSPFv3 for IPv6 No • VRRP Yes • VRRP Yes • VRRP for IPv6 No Product function Yes • Ring redundancy Yes • High Speed Redundancy Protocol (HRP) with redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy protocol (HRP) with redundancy protocol (HRP) with redundancy protocol (HRP) with redundancy protocol (HRP) with redundancy protocol (MRP) Yes Protocol / is supported / Media Redundancy Protocol Yes Protocol / is supported / Media Redundancy Protocol Yes Product function Yes • high speed redundancy protocol (MRP) with redundancy protocol (MRP) Yes Protocol / is supported / Media Redundancy Protocol Yes Product function Yes • high speed redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) Yes Product function Yes • Prot		100
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redundancy manager • redundancy procedure STP Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • Passive listening Yes	Product function	
• redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • Passive listening Yes Protocol / is supported		Yes
• redundancy procedure MSTP Yes • Passive listening Yes Protocol / is supported	 redundancy procedure STP 	Yes
Passive listening Yes Protocol / is supported	 redundancy procedure RSTP 	Yes
Protocol / is supported	 redundancy procedure MSTP 	Yes
	Passive listening	Yes
• LACP Yes	Protocol / is supported	
	• LACP	Yes

Product function Yes • 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 Yes • SSH Yes Product functions / Time Product function Yes • SICLOCK support Yes Protocol / is supported Yes • SICLOCK support Yes Protocol / is supported Yes • SICLOCK support Yes Protocol / is supported Yes • SICLOCK support Yes Protocol / is supported Yes • SITP Yes • SNTP Yes Type of time synchronization IEEE 1588 available soon Standard Standard
 ACL - port/MAC-based ACL - port/MAC-based Yes IEEE 802.1x (radius) Yes Broadcast/Multicast/Unicast Limiter broadcast blocking Yes Protocol / is supported SSH Yes Product functions / Time Product function SICLOCK support Yes Protocol / is supported SICLOCK support Yes Protocol / is supported SICLOCK support Yes Protocol / is supported IEEE 1588 available soon Standards, specifications, approvals
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Standard
Statiuaru
for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• 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
• for safety / from CSA and UL UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
for hazardous zone / 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
• for emitted interference EN 61000-6-4 (Class A)
for interference immunity EN 61000-6-2
Certificate of suitability / CE marking Yes
Certificate of suitability EN 61000-6-2, EN 61000-6-4
• C-Tick Yes
• KC approval Yes
Marine classification association
American Bureau of Shipping Europe Ltd. No (ABS)
Bureau Veritas (BV) No
Det Norske Veritas (DNV) Yes
Germanische Lloyd (GL) No
Lloyds Register of Shipping (LRS) Yes
• Nippon Kaiji Kyokai (NK) Yes
Polski Rejestr Statkow (PRS) Yes
Royal Institution of Naval Architects (RINA) Yes
MTBF / at 40 °C 28 y

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

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more information about industrial security, visit

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

newsletter. For more information, visit

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