SIEMENS

Datasheet

Product type designation Product description

6GK5408-8GS00-2AM2

SCALANCE XM408-8C

SCALANCE XM408-8C; MANAGED MODULAR IE SWITCH; 8 X 10/100/1000 MBIT/S RJ45; 8 X 100/1000 MBIT/S SFP; CONTAINS 8 COMBO PORTS; 8 PORTS USABLE IN TOTAL; EXPANDABLE UP TO 24 PORTS ELECTRICAL OR OPTICAL; LAYER 3 WITH KEY PLUG AVAILABLE 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
Interfaces	
Number of electrical/optical connections	
 for network components or terminal equipment / maximum 	24
 as combo port / for network components or terminal equipment 	8
Number of electrical connections	
 for network components or terminal equipment 	8
 for network components or terminal equipment / with extender modules 	16
• for SFP+/SFP	8
 for operator console 	1
 for management purposes 	1
 for signaling contact 	1
• for power supply	1
 for redundant voltage supply 	1

Type of voltage supply / redundant power supply unitNoType of voltage / of the supply voltageDCSupply voltage24 V• external19.2 28.8 VProduct component / fusing at power supply inputYesFuse protection type / at input for supply voltageF 15 A / 125 VConsumed current / maximum2 AActive power loss	Design of electrical/antical compactions / for activaly	
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• during operation-40 +70 °C• during storage-40 +85 °C• during transport-40 +85 °C	Permitted ambient conditions	
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• during transport -40 +85 °C		
	• during storage	
Relative humidity		-40 +85 °C
	Relative humidity	

• at 25 °C / without condensation / during

95 %

operation / maximum Protection class IP

• Configuration with STEP 7

• RMON

IP20

FIDECIDIT Class IF	IFZU
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 / genera	I
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
• TRAPs via email	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	

Yes

Yes

 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
• SysLog	103
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 in combination with KEY-PLUG XM-400, IPv6 available
	soon
Product function	
Static IP routing	Yes
Static IP routing IPv6	No
dynamic IP routing	Yes
 dynamic IP routing IPv6 	No
Protocol / is supported	
• RIPv2	Yes
RIPnG for IPv6	No
OSPFv2	Yes
OSPFv3 for IPv6	No

• VRRP	Yes
• VRRP for IPv6	No
Product functions / Redundancy	
Product functions / Redundancy	
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
 Media Redundancy Protocol (MRP) 	Yes
 media redundancy protocol (MRP) with redundancy manager 	Yes
 redundancy procedure STP 	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 - MAC-based ACL - port/MAC-based	Yes
IEEE 802.1x (radius)	Yes
Broadcast/Multicast/Unicast Limiter	Yes
broadcast blocking	Yes
Protocol / is supported	
• SSH	Yes
Product functions / Time Product function	
SICLOCK support	Yes
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
Type of time synchronization	IEEE 1588 available soon
Standards, specifications, approvals Standard	
• 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
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 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	EN 61000-6-2, EN 61000-6-4
CE marking	Yes
• C-Tick	Yes
 KC approval 	No
• E1 approval	No
• E1 approval	No
MTBF / at 40 °C	28 у

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/automation/net/catalog
 to website: Image database 	http://automation.siemens.com/bilddb
 to website: CAx Download Manager 	http://www.siemens.com/cax
 to website: Industry Online Support 	http://support.automation.siemens.com

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 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 more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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