

Product-type designation

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 / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Transfer rate / 3	1000 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	24
Number of electrical/optical connections / as combo port / for network components or terminal equipment	8
Number of electrical connections	
• for network components and terminal equipment	8
• for network components and 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 power supply	1
Design of electrical/optical connections / for network components or terminal equipment	SFP

Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for network components and terminal equipment / with extender modules	RJ45 port
• 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 optical interfaces / for optical waveguide	
• at 100 Mbit/s	8
• at 1000 Mbit/s	8
• with extender modules	16
Design of optical interface / for optical waveguide	
• at 100 Mbit/s	SFP slot
• at 1000 Mbit/s	SFP slot
• with extender modules	SFP slot
Number of extender expansion interfaces	2
design of the removable storage / C-PLUG/KEY-PLUG	Yes
Signal-Inputs/outputs	
operating voltage / of the signal contact	
• at DC	
• rated value	24 V
Operating current / of signaling contacts	
• at DC	
• maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of supply voltage / redundant power supply unit	No
Type of / supply voltage	DC
Supply voltage / external	24 V
• minimum	19.2 V
• maximum	28.8 V
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	F 15 A / 125 V
Consumed current / maximum	2 A
Active power loss / at 24 V / for DC	48 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C

Relative humidity	
• at 25 °C / without condensation / during operating / maximum	95 %
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 structuring	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
• Configuration with STEP 7	Yes
• RMON	Yes
• Port mirroring	Yes
• multiport mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
telegram length / at 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 designation	Yes
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
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
• RIPv6	No
• OSPFv2	Yes
• OSPFv3 for IPv6	No
• VRRP	Yes
• VRRP for IPv6	No
Product functions / Redundancy	
Product function	
• 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 - 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
standard	
• for EMC	FM3611: Class 1, Division 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 / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1-03
• for hazardous area / of 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
Verification of suitability	EN 61000-6-2, EN 61000-6-4
• CE mark	Yes
• C-Tick	Yes
• KC approval	No
• E1 approval	No
No	
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: 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	
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letzte Änderung:

Sep 5, 2014