



-- spare part -- SCALANCE XM408-4C; managed modular IE switch; 8x 10/100/1000 Mbps RJ45; 4x 100/1000 Mbps ST-/SC- pluggable as 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	
product brand name	SCALANCE
product type designation	XM408-4C
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
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	
• with securing collar	8
number of electrical connections	
• for SCP/STP transceiver	4; 100 Mbit/s or 1000 Mbit/s
number of combo ports / with RJ45 interface for optical plug-in transceiver	4; 100 Mbit/s ST plug-in transceiver, 1000 Mbit/s SC plug-in transceiver
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 ST(BFOC) ports	
• for multimode	4
• for single mode (LD)	4
number of 1000 Mbit/s SC ports	
• for multimode	4
• for single mode (LD)	4
number of 100 Mbit/s LC ports	
• for multimode	16
• for single mode (LD)	16
• for single mode (LH+)	16
• for single mode (ELH200)	16
number of 1000 Mbit/s LC ports	
• for multimode	16
• for single mode (LD)	16
• for single mode (LH)	16
• for single mode (LH+)	16
• for single mode (ELH)	16
number of electrical connections	
• for SFP	16
• for SCP/STP transceiver	4; 100 Mbit/s or 1000 Mbit/s
interfaces / other	
number of electrical connections	

• for operator console • for signaling contact • for power supply	1
	1
	1
type of electrical connection	
• for operator console • for management purposes • for signaling contact	RJ11 RJ45 2-pole terminal block
number of extender expansion interfaces	2
design of the removable storage	
• C-PLUG	Yes
product feature / hot-swappable interface modules	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
supplied active power / of PSE / with PoE	
• per port / maximum • total / maximum	30 W 360 W
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input • fuse protection type / 1 / at input for supply voltage	24 V 48 W 19.2 ... 28.8 V 2 A 4-pole terminal block Yes F 15 A / 125 V
ambient conditions	
ambient temperature	
• during operation • during storage • during transport	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
width	140 mm
height	147 mm
depth	125 mm
net weight	1.15 kg
fastening method	
• 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes Yes Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
• CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring • multiport mirroring • CoS	Yes Yes Yes Yes Yes Yes Yes Yes Yes

• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
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
• 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
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	Yes
• OSPFv2	Yes
• OSPFv3 for IPv6	Yes
• VRRP	Yes
• VRRP for IPv6	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)	Yes
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	Yes
high speed redundancy protocol (HRP) with standby redundancy	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
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
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
standards, specifications, approvals	
certificate of suitability	
CE marking	Yes
cULus approval	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
for EMC interference emission	EN 61000-6-4 (Class A)
for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
standards, specifications, approvals / hazardous environments	
certificate of suitability	
ATEX	Yes
UKEX	Yes
IECEX	Yes
ULhazloc approval	Yes
CCC / for hazardous zone according to GB standard	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
RoHS conformity	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 • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	Yes Yes Yes Yes Yes				
product functions / general					
MTBF	28 a				
reference code • according to IEC 81346-2 • according to IEC 81346-2:2019	KF KFE				
Warranty period	5 a				
further information / internet links					
internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com				
security information					
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General Product Approval					
EMV					
 EG-Konf.	Declaration of Conformity	 CCC	 UL	 RCM	KC
For use in hazardous locations		Marine / Shipping			
 IECEX	 ATEX	FM	CCC-Ex	 ABS	 BUREAU VERITAS
Marine / Shipping		Environment			
 DNV	 LRS	NK / Nippon Kaiji Kyokai	 PRS	 RINA	Confirmation
Industrial Communication					

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