



***** spare part ***** SCALANCE X308-2M PoE; managed IE switch, compact; 4x 10/100/1000 Mbit/s for RJ45 ports electrical with PoE; 2x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics, error signaling Contact with select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager, office features (RSTP, VLAN, IGMP,..) C-plug in scope of supply.

product type designation		SCALANCE X308-2M PoE
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
number of ports / maximum		8
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum		8
number of electrical ports / with PoE / maximum		4
number of optical ports / maximum		4
interfaces / for communication / integrated		
number of electrical connections		4; RJ45 with securing collar
<ul style="list-style-type: none"> for Power-over-Ethernet / for network components or terminal equipment 		
number of 10/100/1000 Mbit/s RJ45 ports / integrated		4
<ul style="list-style-type: none"> with securing collar 		
number of connectable media modules		2
<ul style="list-style-type: none"> with 2 ports 		
interfaces / for communication / plug-in		
number of 10/100/1000 Mbit/s RJ45 ports		4
<ul style="list-style-type: none"> with securing collar 		4
<ul style="list-style-type: none"> for VD mode of operation / with securing collar 		4
number of 10/100/1000 Mbit/s M12-ports (X-coded)		4
number of 100 Mbit/s SC-RJ-ports / for POF FOC		4
number of 100 Mbit/s ST(BFOC) ports		
<ul style="list-style-type: none"> for multimode 		4
<ul style="list-style-type: none"> for single mode (LD) 		4
number of 100 Mbit/s SC ports		
<ul style="list-style-type: none"> for multimode 		4
<ul style="list-style-type: none"> for single mode (LD) 		4
<ul style="list-style-type: none"> for single mode (LH+) 		4
number of 1000 Mbit/s SC ports		
<ul style="list-style-type: none"> for multimode 		4
<ul style="list-style-type: none"> for single mode (LD) 		4
<ul style="list-style-type: none"> for single mode (LH) 		4
<ul style="list-style-type: none"> for single mode (LH+) 		4
number of 100 Mbit/s LC ports		
<ul style="list-style-type: none"> for multimode 		4
<ul style="list-style-type: none"> for single mode (LD) 		4
<ul style="list-style-type: none"> for single mode (LH+) 		4
<ul style="list-style-type: none"> for single mode (ELH200) 		4
number of 1000 Mbit/s LC ports		
<ul style="list-style-type: none"> for multimode 		4

<ul style="list-style-type: none"> • for single mode (LD) • for single mode (LH) • for single mode (LH+) • for single mode (ELH) 	4
number of electrical connections	4
<ul style="list-style-type: none"> • for SFP 	4
	4
	4
	4
	4; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver with media module MM992-2SFP
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> • for signaling contact • for media module • for power supply 	1
type of electrical connection	2
<ul style="list-style-type: none"> • for signaling contact • for power supply 	1
design of the removable storage	2-pole terminal block
<ul style="list-style-type: none"> • C-PLUG 	4-pole terminal block
	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> • at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> • at DC / maximum 	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
product component / power supply for PoE	Yes
product feature	
<ul style="list-style-type: none"> • voltage supply for PoE from the internal 48 V supply 	Yes
type of voltage supply / redundant power supply unit	No
supplied active power / of PSE / with PoE	
<ul style="list-style-type: none"> • per port / maximum • total / maximum 	15.4 W
	30.8 W
type of voltage / 1 / of the supply voltage	DC
<ul style="list-style-type: none"> • 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 	24 V
	17 W
	19.2 ... 28.8 V
	2 A
	4-pole terminal block
	Yes
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • note 	-40 ... +60 °C
	-40 ... +70 °C
	-40 ... +70 °C
	With vertical installation, the maximum operating temperature is reduced to 60 °C.
relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
number of slots	2
width	120 mm
height	125 mm
depth	124 mm
net weight	1.15 kg
fastening method	When using SFP plug transceivers, only horizontal mounting is permitted; when used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted
<ul style="list-style-type: none"> • 19-inch installation • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting 	No
	Yes
	Yes
	Yes

• S7-1500 rail mounting	No
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <~0.3~s	100
cascading in cases of star topology	any (depending only on signal propagation time)
product feature	
• Store & Forward switching method	Yes
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
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	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	No
• VLAN - IP-based	No
• 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 / redundancy	
product function	

<ul style="list-style-type: none"> • ring redundancy 	Yes
<ul style="list-style-type: none"> • High Speed Redundancy Protocol (HRP) 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • redundancy procedure STP 	Yes
<ul style="list-style-type: none"> • redundancy procedure RSTP 	Yes
<ul style="list-style-type: none"> • redundancy procedure MSTP 	Yes
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
<ul style="list-style-type: none"> • passive listening 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • STP/RSTP 	Yes
<ul style="list-style-type: none"> • STP 	Yes
<ul style="list-style-type: none"> • RSTP 	Yes
<ul style="list-style-type: none"> • MSTP 	Yes
<ul style="list-style-type: none"> • RSTP big network support 	Yes
<ul style="list-style-type: none"> • LACP 	Yes
product functions / security	
product function	
<ul style="list-style-type: none"> • ACL - MAC-based 	Yes
<ul style="list-style-type: none"> • ACL - port/MAC-based 	Yes
<ul style="list-style-type: none"> • IEEE 802.1x (radius) 	Yes
<ul style="list-style-type: none"> • broadcast/multicast/unicast limiter 	Yes
<ul style="list-style-type: none"> • broadcast blocking 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes
product functions / time	
product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • NTP 	Yes
<ul style="list-style-type: none"> • SNTP 	Yes
<ul style="list-style-type: none"> • IEEE 1588 profile default 	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4:2007 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2:2005
MTBF	33 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	KF
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul style="list-style-type: none"> • from CSA and UL 	UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
<ul style="list-style-type: none"> • C-Tick 	Yes

- KC approval
- railway application in accordance with EN 50155

No
No

standards, specifications, approvals / marine classification

Marine classification association

- | | |
|---|-----|
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • French marine classification society (BV) | Yes |
| • Det Norske Veritas (DNV) | No |
| • Germanische Lloyd (GL) | No |
| • 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 |

further information / internet-Links

Internet-Link

- | | |
|---|---|
| • to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| • 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

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