

***** spare part ***** SCALANCE XR324-4M PoE; managed IE switch, 19 rack; 8x 10/100/1000 Mbit/s for RJ45 ports electrical with PoE, 8x 10/100/1000 Mbit/s for RJ45 ports electrical without PoE 4x 10/100/1000 Mbit/s 2-port media modules, electrical or optical; LED diagnostics; error signaling contact; select/set pushbutton, PROFINET IO device; C-plug in scope of delivery; power supply 230 V AC; ports at the back.



Figure similar

product type designation	SCALANCE XR324-4M PoE
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 - for Power-over-Ethernet / for network components or terminal equipment	16; RJ45 8
number of 100 Mbit/s ST(BFOC) ports for multimode	8
number of 100 Mbit/s SC ports for multimode	8
number of 1000 Mbit/s LC ports - for multimode - for single mode (LD)	8 8
interfaces / other	
number of electrical connections - for operator console - for signaling contact - for media module - for power supply	1 1 4 1
type of electrical connection - for operator console - for signaling contact - for power supply	RJ11 2-pole terminal block 2-pole terminal block
design of the removable storage C-PLUG	Yes
signal inputs/outputs	
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	
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage - 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	230 V 46 W 85 ... 264 V 1 A 2-pole terminal block

• product component / 1 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• note	With vertical installation, the maximum operating temperature is reduced to 60 °C.
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	19" rack
number of modular height units / relating to 19-inch cabinet	1
width	449 mm
height	43.6 mm
depth	305 mm
net weight	6.8 kg
fastening method	When used in shipbuilding, the device must be secured in the 19" rack at four points
• 19-inch installation	Yes
• 35 mm top hat DIN rail mounting	No
• wall mounting	No
• S7-300 rail mounting	No
• 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 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
 - 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
- protocol / is supported / Media Redundancy Protocol (MRP) Yes
- product function
 - 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
 - STP/RSTP Yes
 - STP Yes
 - RSTP Yes
 - MSTP Yes
 - RSTP big network support Yes
 - 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
 - IEEE 1588 profile default Yes

standards, specifications, approvals

- standard
 - for safety / from CSA and UL UL 508, CSA C22.2 No. 142-M1987

• for emitted interference • for interference immunity	EN 61000-6-4:2007 (Class A) EN 61000-6-2:2006
reference code	
• according to IEC 81346-2 • according to IEC 81346-2:2019	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	-
• from CSA and UL	No
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2006, EN 61000-6-4:2007
• C-Tick • KC approval	Yes Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA)	Yes Yes No No Yes Yes Yes No Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
security information	
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. Third-party 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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