

***** spare part ***** SCALANCE XR324-4M EEC; managed IE switch, 19 rack; 16x 10/100/1000 Mbit/s for RJ45 ports electrical; 4x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling contact; select/set pushbutton, PROFINET IO device, network management, integrated redundancy manager; power supply 1x 230 V AC; ports at the back.



product type designation	SCALANCE XR324-4M EEC
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	16; RJ45
<ul style="list-style-type: none"> for network components or terminal equipment 	
number of 100 Mbit/s ST(BFOC) ports	8
<ul style="list-style-type: none"> for multimode 	
number of 100 Mbit/s SC ports	8
<ul style="list-style-type: none"> for multimode 	
number of 1000 Mbit/s LC ports	8
<ul style="list-style-type: none"> for multimode for single mode (LD) 	8
interfaces / other	
number of electrical connections	1
<ul style="list-style-type: none"> for operator console for signaling contact for media module for power supply 	1 1 4 1
type of electrical connection	
<ul style="list-style-type: none"> for operator console for signaling contact for power supply 	RJ11 3-pole terminal block 3-pole terminal block
design of the removable storage	
<ul style="list-style-type: none"> C-PLUG 	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at AC / rated value at DC / rated value 	276 V 230 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> at AC / maximum at DC / maximum 	5 A 0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	
<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 	230 V 42 W 80 ... 276 V 0.7 A

<ul style="list-style-type: none"> • LLDP • SNMP v1 • SNMP v2 • SNMP v3 • IGMP (snooping/querier) 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
identification & maintenance function <ul style="list-style-type: none"> • I&M0 - device-specific information • I&M1 - higher level designation/location designation 	<p>Yes</p> <p>Yes</p>
product functions / diagnostics	
product function <ul style="list-style-type: none"> • port diagnostics • statistics Packet Size • statistics packet type • error statistics • SysLog 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product functions / VLAN	
product function <ul style="list-style-type: none"> • VLAN - port based • VLAN - protocol-based • VLAN - IP-based • VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP	<p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p> <p>255</p> <p>255</p> <p>Yes</p>
product functions / DHCP	
product function <ul style="list-style-type: none"> • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product functions / redundancy	
product function <ul style="list-style-type: none"> • ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product function <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported <ul style="list-style-type: none"> • STP/RSTP • STP • RSTP • MSTP • RSTP big network support • LACP 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product functions / security	
product function <ul style="list-style-type: none"> • ACL - MAC-based • ACL - port/MAC-based • IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • broadcast blocking protocol / is supported <ul style="list-style-type: none"> • SSH 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>

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	EN 61000-6-4:2007 (Class A)
• for interference immunity	EN 61000-6-2:2005
MTBF	15 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standard	
• for EMC	IEC 61850, IEEE 1613
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	-
• from CSA and UL	No
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• C-Tick	Yes
• KC approval	Yes
• IEC 61850-3	Yes
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)	No
• 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	
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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