

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, Power supply 24 V DC; Ports in the front.



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	16; RJ45
<ul style="list-style-type: none"> for network components or terminal equipment for Power-over-Ethernet / for network components or terminal equipment 	8
number of 100 Mbit/s ST(BFOC) ports	8
<ul style="list-style-type: none"> for multimode 	8
number of 100 Mbit/s SC ports	8
<ul style="list-style-type: none"> for multimode 	8
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	RJ11
<ul style="list-style-type: none"> for operator console for signaling contact for power supply 	2-pole terminal block 4-pole terminal block
design of the removable storage	Yes
<ul style="list-style-type: none"> C-PLUG 	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	24 V
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	0.1 A
<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
type of voltage supply / redundant power supply unit	No
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 	24 V 46 W

<ul style="list-style-type: none"> • 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 	<p>19.2 ... 28.8 V</p> <p>4.2 A</p> <p>4-pole terminal block</p> <p>Yes</p>
ambient conditions	
<p>ambient temperature</p> <ul style="list-style-type: none"> • during operation • during storage • during transport • note 	<p>-40 ... +60 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>With vertical installation, the maximum operating temperature is reduced to 60 °C.</p>
<p>relative humidity</p> <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	<p>95 %</p>
<p>protection class IP</p>	<p>IP20</p>
design, dimensions and weights	
<p>design</p>	<p>19" rack</p>
<p>number of modular height units / relating to 19-inch cabinet</p>	<p>1</p>
<p>width</p>	<p>449 mm</p>
<p>height</p>	<p>43.6 mm</p>
<p>depth</p>	<p>305 mm</p>
<p>net weight</p>	<p>6.8 kg</p>
<p>fastening method</p> <ul style="list-style-type: none"> • 19-inch installation • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting 	<p>When used in shipbuilding, the device must be secured in the 19" rack at four points</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
product features, product functions, product components / general	
<p>cascading in the case of a redundant ring / at reconfiguration time of <math>\sim 0.3\text{ s}</math></p>	<p>100</p>
<p>cascading in cases of star topology</p>	<p>any (depending only on signal propagation time)</p>
product functions / management, configuration, engineering	
<p>product function</p> <ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis 	<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>PROFINET conformity class</p>	<p>B</p>
<p>product function / switch-managed</p>	<p>Yes</p>
<p>protocol / is supported</p> <ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • GMRP • DCP • LLDP • SNMP v1 • SNMP v2 • SNMP v3 	<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>

<ul style="list-style-type: none"> IGMP (snooping/querier) 	Yes
identification & maintenance function	
<ul style="list-style-type: none"> I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> I&M1 – higher level designation/location designation 	Yes
product functions / diagnostics	
product function	
<ul style="list-style-type: none"> port diagnostics 	Yes
<ul style="list-style-type: none"> statistics Packet Size 	Yes
<ul style="list-style-type: none"> statistics packet type 	Yes
<ul style="list-style-type: none"> error statistics 	Yes
<ul style="list-style-type: none"> SysLog 	Yes
product functions / VLAN	
product function	
<ul style="list-style-type: none"> VLAN - port based 	Yes
<ul style="list-style-type: none"> VLAN - protocol-based 	No
<ul style="list-style-type: none"> VLAN - IP-based 	No
<ul style="list-style-type: none"> VLAN dynamic 	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
<ul style="list-style-type: none"> DHCP client 	Yes
<ul style="list-style-type: none"> DHCP Option 82 	Yes
<ul style="list-style-type: none"> DHCP Option 66 	Yes
<ul style="list-style-type: none"> 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 • SNTP • IEEE 1588 profile default 	Yes Yes Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM • for safety / from CSA and UL • for emitted interference • for interference immunity 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4:2007 (Class A) EN 61000-6-2:2006
MTBF	15 y
reference code	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • from CSA and UL 	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X 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
certificate of suitability	
<ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard 	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2006, EN 61000-6-4:2007
<ul style="list-style-type: none"> • C-Tick • KC approval 	Yes Yes
standards, specifications, approvals / marine classification	
Marine classification association	
<ul style="list-style-type: none"> • French marine classification society (BV) • Korean Register of Shipping (KRS) 	Yes Yes
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • 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
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