

Product-type designation	
SCALANCE XR324-4M EEC	
SCALANCE XR324-4M EEC; MANAGED IE SWITCH, 19" RACK, POWER SUPPLY WITH 2 X 230V AC PORTS BACK SIDE, 16 X 10/100/1000MBIT/S RJ45 PORTS ELECTRICAL, 4 X 100/1000MBIT/S FOR 2-PORT- MEDIA MODULES, ELECTRICAL OR OPTICAL, LED DIAGNOSTICS, FAULT SIGNAL CONTACT WITH SELECT/SET-BUTTON, PROFINET-IO DEVICE, NETWORK- MANAGEMENT, INTEGRATED REDUNDANCY MANAGER	
Transmission rate	
Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Transfer rate / 3	1000 Mbit/s
Interfaces	
Number of electrical/optical connections / for network components or terminal equipment / maximum	24
Number of electrical connections	
• for network components and terminal equipment	16
• for operator console	1
• for signaling contact	1
• for media module	4
• for power supply	2
• for redundant power supply	0
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for operator console	RJ11 port
• for signaling contact	2 x 3-pole terminal block
• for power supply	2 x 3-pole terminal block
Design of optical interface / for optical waveguide	
• at 100 Mbit/s	Dependent on selected media modules
• at 1000 Mbit/s	Dependent on selected media modules
design of the removable storage / C-PLUG	Yes
Signal-Inputs/outputs	
Operating voltage / of signaling contacts / at AC / rated value	276 V
Operating current / of signaling contacts / at AC / maximum	5 A
Operating voltage / of signaling contacts / at DC / rated value	230 V

Operating current / of signaling contacts / at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of supply voltage / redundant power supply unit	Yes
Type of / supply voltage	AC
Supply voltage	
• at AC	230 V
• rated value	80 ... 276 V
Type / 2 / of supply voltage	DC
Supply voltage / for DC	220 V
• rated value	48 ... 300 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.7 A
Power loss	
• at 230 V / AC	42 W
• at 250 V / with DC	42 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• Comment	Extended temperature upper limit of +85° C permitted for 16 hours. Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C)
Relative humidity	
• at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	19" rack
Width	483 mm
Height	44 mm
Depth	305 mm
Net weight	7 kg
Mounting type	
• 19-inch installation	Yes
• 35 mm DIN rail mounting	No
• wall mounting	No
• S7-300 rail mounting	No
Mounting type	When used in shipbuilding, the device must be secured in the 19" rack at four points
Product properties, functions, components / general	

Cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s

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Cascading in cases of star structuring

Any (depending only on signal propagation time)

Product function

- CLI
- web-based management
- MIB support
- TRAPs via email
- Configuration with STEP 7
- RMON
- Port mirroring
- multiport mirroring
- CoS
- PROFINET IO diagnosis
- switch-managed

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- FTP
- BOOTP
- SNMP v1
- SNMP v2
- SNMP v3
- IGMP (snooping/querier)
- GMRP
- DCP
- LLDP

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Identification & maintenance function

- I&M0 - device-specific information
- I&M1 – higher level designation/location designation

Yes
Yes

Product functions / Diagnosis

Product function

- Port diagnostics
- Statistics Packet Size
- Statistics packet type
- Error statistics
- SysLog

Yes
Yes
Yes
Yes
Yes

Product functions / VLAN

Product function	
• VLAN - port based	Yes
• 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
• Redundancy manager	Yes
• Standby redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• Media Redundancy Protocol (MRP)	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
• RSTP big network support	Yes
• LACP	Yes
Product functions / Security	
Product function	
• 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
• MSTP	No
• IEEE 1588 profile default	Yes
Standards, specifications, approvals	
Standard	
• for EMC	IEC 61850, IEEE 1613
• from FM	No
• for hazardous zone	-
• for safety / of CSA and UL	UL 508, CSA C22.2 No. 142-M1987
• for hazardous area / of CSA and UL	No
• for emitted interference	EN 61000-6-4:2007 (Class A)
• for interference immunity	EN 61000-6-2:2005
Verification of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• CE mark	Yes
• C-Tick	Yes
• KC approval	Yes
• IEC 61850-3	Yes
Further Information / Internet Links	
Internet-Link	
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com
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