

Product-type designation **SCALANCE XR324-4M POE**

SCALANCE XR324-4M POE;
 MANAGED IE SWITCH, 19" RACK;
 POWER SUPPLY AC 230V;
 PORTS BACK SIDE;
 8 X 10/100/1000MBIT/S FOR RJ45 PORTS ELECTRICAL
 WITH POE 8 X 10/100/1000MBIT/S FOR RJ45 PORTS
 ELECTRICAL W/O POE;
 4 X 10/100/1000MBIT/S 2-PORT MEDIA MODULES,
 ELECTRICAL OR OPTICAL;
 LED DIAGNOSIS;
 FAULT SIGNAL CONTACT;
 SELECT SET BUTTON;
 PROFINET IO DEVICE;



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	
<ul style="list-style-type: none"> • for network components and terminal equipment 	16
<ul style="list-style-type: none"> • for Power-over-Ethernet / for network components or terminal equipment 	8
<ul style="list-style-type: none"> • for operator console 	1
<ul style="list-style-type: none"> • for alarm contact 	1
<ul style="list-style-type: none"> • for media module 	4
<ul style="list-style-type: none"> • for power supply 	1
<ul style="list-style-type: none"> • for redundant power supply 	0
Design of electrical connection	
<ul style="list-style-type: none"> • for network components and terminal equipment 	RJ45 port
<ul style="list-style-type: none"> • for Power-over-Ethernet / for network components or terminal equipment 	RJ45 port
<ul style="list-style-type: none"> • for operator console 	RJ11 port

<ul style="list-style-type: none"> • for signaling contact 	2-pole terminal block
<ul style="list-style-type: none"> • for power supply 	2-pole terminal block
Design of optical interface / for optical waveguide	
<ul style="list-style-type: none"> • at 100 Mbit/s 	Dependent on selected media modules
<ul style="list-style-type: none"> • at 1000 Mbit/s 	Dependent on selected media modules
design of the removable storage / C-PLUG	Yes
Inputs/outputs	
Operating voltage / of signaling contacts / at DC / rated value	24 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	No
Type of voltage / of supply voltage	AC
Supply voltage	
<ul style="list-style-type: none"> • external 	230 V
<ul style="list-style-type: none"> • external 	85 ... 264 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	1 A
Power loss	
<ul style="list-style-type: none"> • at 230 V / AC 	46 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	-40 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
<ul style="list-style-type: none"> • Comment 	If the device is installed in the vertical position, the maximum operating temperature is reduced to 60 °C.
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operating / maximum 	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	19" rack
Width	449 mm
Height	43.6 mm
Depth	305 mm
Net weight	6.8 kg
Type of mounting	
<ul style="list-style-type: none"> • Installation 19 inch 	Yes
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	No
<ul style="list-style-type: none"> • wall mounting 	No
<ul style="list-style-type: none"> • S7-300 rail mounting 	No

Type of mounting

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 $\leq 0.3\text{ s}$

50

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
- CoS
- PROFINET IO diagnosis
- switch-managed

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

Identification & maintenance

- I&M0 - device-specific information
- I&M1 - plant identification/location name

Yes
Yes

Product functions / Diagnosis

Product function

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

Yes
Yes
Yes
Yes

• SysLog	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
• HSR redundancy protocol	Yes
• MRP redundancy protocol	Yes
• redundancy procedure STP	Yes
• RSTP redundancy protocol	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
- SNTP
- IEEE 1588 profile default

No
Yes
Yes

Standards, specifications, approvals

Standard

- for EMC
 - from FM
- for safety / of CSA and UL
- for hazardous area / of CSA and UL
- for emitted interference
- for interference immunity

No
UL 508, CSA C22.2 No. 142-M1987

Verification of suitability

- CE mark
- C-Tick
- KC approval

No
EN 61000-6-4:2007 (Class A)
EN 61000-6-2:2006
EN 61000-6-2:2006, EN 61000-6-4:2007

letzte Änderung:

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