

Product-type designation

SCALANCE XR324-12M



SCALANCE XR324-12M MANAGED MANAGED IE SWITCH,
 19" RACK;
 POWER SUPPLY 230V AC;
 PORTS BACK SIDE;
 12 X 100/1000MBIT/S F. 2-PORT- MEDIA MODULES, ELEKTRICAL ODER OPTICAL;
 LED-DIAGNOSTICS;
 FAULT SIGNAL CONTACT;
 WITH SELECT/SET BUTTON;
 PROFINET-IO DEVICE,
 NETWORK- MANAGEMENT,
 INTEGRATED REDUNDANCY MANAGER OFFICE FEATURES (RSTP, VLAN, IGMP,..);
 C-PLUG IN THE SCOPE OF SUPPLY

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 operator console	1
• for alarm contact	1
• for media module	12
• for power supply	1
• for redundant power supply	0
Design of electrical connection	
• for network components and terminal equipment	Dependent on selected media modules
• for operator console	RJ11 port
• for signaling contact	2-pole terminal block
• for power supply	2-pole terminal block
Design of optical interface / for optical waveguide	
• 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	0.8 A
Power loss	
<ul style="list-style-type: none"> • at 230 V / AC 	50 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 	Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C). If the device is installed in the vertical position, the maximum operating temperature is reduced to +50 °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	483 mm
Height	44 mm
Depth	305 mm
Net weight	5.9 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	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• RMON	Yes
• Port mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance	
• I&M0 - device-specific information	Yes
• I&M1 - plant identification/location name	Yes
Product functions / Diagnosis	
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 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	No
• SNTP	Yes

- IEEE 1588 profile default

Yes

Standards, specifications, approvals

Standard

- for EMC

- from FM

No

- 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

- Railway application in accordance with EN 50155

Yes

letzte Änderung:

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