

Product-type designation

SCALANCE XR324-4M POE TS



SCALANCE XR324-4M POE TS;
MANAGED IE SWITCH, 19" RACK;
POWER SUPPLY 24V DC;
PORTS FRONT SIDE;
8 X 10/100/1000MBIT/S FOR RJ45 PORTS ELEKTRICAL
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-DIAGNOSTICS;
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	
• for network components and terminal equipment	16
• for Power-over-Ethernet / for network components or terminal equipment	8
• for operator console	1
• for signaling contact	1
• for media module	4
• for power supply	1
• for redundant power supply	0
Design of electrical connection	
• for network components and terminal equipment	RJ45 port
• for Power-over-Ethernet / for network components or terminal equipment	RJ45 port
• for operator console	RJ11 port

• for signaling contact	2-pole terminal block
• for power supply	4-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 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 / supply voltage	DC
Supply voltage	
• external	24 V
• external	19.2 ... 28.8 V
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	F 5 A / 250 V
Consumed current / maximum	4.2 A
Power loss	
• at 24 V / for DC	46 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• Comment	If the device is installed in the vertical position, the maximum operating temperature is reduced to 60 °C.
Relative humidity	
• at 25 °C / without condensation / during operating / maximum	95 %
Ambient condition	
• for (standard) operation mode	Conformal coating, yes
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
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 <1-0.31-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
• multiport 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 function	
• I&M0 - device-specific information	Yes
• I&M1 – higher level designation/location designation	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
• 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	
• from FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• for safety / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous area / of CSA and UL	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
• for emitted interference	EN 61000-6-4:2007 (Class A)
• for interference immunity	EN 61000-6-2:2006
Verification of suitability	EN 61000-6-2:2006, EN 61000-6-4:2007
• CE mark	Yes
• C-Tick	Yes
• KC approval	No
• Railway application in accordance with EN 50155	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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