

**Product-type designation**

**SCALANCE XR552-12M**



SCALANCE XR552-12M;  
 MANAGED IE SWITCH;  
 LAYER 3 INTEGRATED;  
 19" RACK;  
 PORTS FRONT SIDE;  
 4 X 1000/10000MBIT/S SFP PLUS;  
 12 X 100/1000MBIT/S 4-PORT- MEDIA MODULE,  
 ELECTRICAL, ELECTRICAL POE OR OPTICAL;  
 LED-DIAGNOSTICS;  
 FAULT SIGNAL CONTACT;  
 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
Transfer rate / 4	10 Gbit/s

**Interfaces**

Number of electrical/optical connections / for network components or terminal equipment / maximum	52
Number of electrical connections	
• for SFP+/SFP	4
• for operator console	1
• for management purposes	1
• for alarm contact	1
• for media module	12
• for power supply	1
• for redundant power supply	1
Design of electrical connection	
• for network components and terminal equipment	Dependent on selected media modules
• for operator console	RJ11 port
• for management purposes	RJ45 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/KEY-PLUG	Yes
<b>Inputs/outputs</b>	
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
<b>Supply voltage, current consumption, power loss</b>	
Type of voltage / of supply voltage	DC
Supply voltage / external	24 V
• minimum	19.2 V
• maximum	28.8 V
Product component / fusing at power supply input	Yes
<b>Permitted ambient conditions</b>	
Ambient temperature	
• during operating	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
<b>Design, dimensions and weight</b>	
Design	19" rack
Width	449 mm
Height	130.8 mm
Depth	305 mm
Net weight	10 kg
Type of mounting / Installation 19 inch	Yes
Type of cable outlet	Cable outlet at front
<b>Product properties, functions, components / general</b>	
Cascading in cases of star structuring	Any (depending only on signal propagation time)
<b>Product functions / management, configuration</b>	
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
<b>Product functions / Diagnosis</b>	
Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes
• SysLog	Yes
<b>Product functions / VLAN</b>	
Product function	
• VLAN - port based	Yes
• VLAN - protocol-based	Yes
• VLAN - IP-based	Yes
• VLAN dynamic	Yes
Number of VLANs / maximum	255
Protocol / is supported / GVRP	Yes
<b>Product functions / DHCP</b>	
Product function	

• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
<b>Product functions / Routing</b>	
Product function	
• static IP routing	Yes
• static IP routing IPv6	No
• dynamic IP routing	Yes
• dynamic IP routing IPv6	No
Protocol / is supported	
• RIPv2	No
• RIPnG for IPv6	No
• OSPFv2	Yes
• OSPFv3 for IPv6	No
• VRRP	Yes
• VRRP for IPv6	No
<b>Product functions / Redundancy</b>	
Product function	
• Ring redundancy	No
• Redundancy manager	No
• Standby redundancy	No
• HSR redundancy protocol	No
• MRP redundancy protocol	No
• redundancy procedure STP	Yes
• RSTP redundancy protocol	Yes
• redundancy procedure MSTP	Yes
• Passive listening	No
Protocol / is supported	
• STP	Yes
• RSTP	Yes
• MSTP	Yes
• RSTP big network support	Yes
• LACP	Yes
<b>Product functions / Security</b>	
Product function	
• ACL - MAC-based	Yes
• ACL - port/MAC-based	Yes
• IEEE 802.1x (radius)	Yes

• Broadcast/Multicast/Unicast Limiter	Yes
• broadcast blocking	Yes
Protocol / is supported / SSH	Yes
<b>Product functions / Time</b>	
Product function / SICLOCK support	Yes
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
Type of time synchronization	IEEE 1588 available soon
<b>Standards, specifications, approvals</b>	
Standard	
• for safety / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Verification of suitability	EN 61000-6-2, EN 61000-6-4
• CE mark	Yes
• C-Tick	Yes
• KC approval	Yes
<b>letzte Änderung:</b>	May 28, 2012