

SCALANCE XR552-12M; managed IE switch; 19" rack; 4x 1000/10000 Mbit/s SFP+; 12x 100/1000 Mbit/s 4-port media modules, electrical, electrical PoE or optical; LED diagnostics; error signaling contact; Select/set pushbutton, PROFINET IO device, network management, integrated redundancy manager; office features (RSTP, VLAN, IGMP, ...); C-plug in scope of delivery Layer 3 integrated; ports in the front.



product type designation	
product brand name	SCALANCE
product type designation	XR552-12M
Technical Product Detail Page	https://i.siemens.com/1P6GK5552-0AR00-2AR2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment 	RJ45
<ul style="list-style-type: none"> for Power-over-Ethernet / for network components or terminal equipment 	12
number of electrical connections	
<ul style="list-style-type: none"> for SFP+ 	4
interfaces / for communication / plug-in	
number of 100 Mbit/s ST(BFOC) ports	
<ul style="list-style-type: none"> for multimode 	48
<ul style="list-style-type: none"> for single mode (LD) 	48
number of 1000 Mbit/s SC ports	
<ul style="list-style-type: none"> for multimode 	48
<ul style="list-style-type: none"> for single mode (LD) 	48
number of electrical connections	
<ul style="list-style-type: none"> for SFP 	4
<ul style="list-style-type: none"> for SFP+ 	4
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> for operator console 	1
<ul style="list-style-type: none"> for signaling contact 	1
<ul style="list-style-type: none"> for media module 	12
<ul style="list-style-type: none"> for power supply 	1
product feature / hot-swappable interface modules	Yes
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> at DC / maximum 	0.1 A
supply voltage, current consumption, power loss	
type of voltage supply / redundant power supply unit	No
supplied active power / of PSE / with PoE	
<ul style="list-style-type: none"> per port / maximum 	30 W

<ul style="list-style-type: none"> total / maximum 	180 W
type of voltage / 1 / of the supply voltage	
<ul style="list-style-type: none"> supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / voltage range consumed current / 1 / maximum product component / 1 / fusing at power supply input 	24 V 34.08 W 19.2 ... 28.8 12.5 A Yes
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport note 	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C Operation with integral fan, replaceable
relative humidity	
<ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	19-inch rack
number of modular height units / relating to 19-inch cabinet	3
width	449 mm
height	130.8 mm
depth	305 mm
net weight	10 kg
fastening method	
<ul style="list-style-type: none"> 19-inch installation 35 mm DIN-rail mounting wall mounting S7-300 rail mounting S7-1500 rail mounting 	Yes No No No No
type of cable outlet	Cable outlet at front
product features, product functions, product components / general	
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> 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
PROFINET conformity class	B
telegram length / for Ethernet / maximum	9216 byte
protocol / is supported	
<ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP FTP BOOTP GMRP DCP LLDP SNMP v1 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
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 - protocol-based	Yes
• VLAN - IP-based	Yes
• VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
product functions / DHCP	
product function	
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
product functions / routing	
service / routing / note	IP routing integrated
product function	
• static IP routing	Yes
• static IP routing IPv6	Yes
• dynamic IP routing	Yes
• dynamic IP routing IPv6	Yes
protocol / is supported	
• RIPv2	Yes
• RIPnG for IPv6	Yes
• OSPFv2	Yes
• OSPFv3 for IPv6	Yes
• VRRP	Yes
• VRRP for IPv6	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• Media Redundancy Protocol Interconnection (MRP-I)	Yes
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
• redundancy procedure MSTP	Yes
• passive listening	Yes
protocol / is supported	
• LACP	Yes

product functions / security	
product function	
<ul style="list-style-type: none"> • IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • broadcast blocking 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes
product functions / time	
product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • NTP • SNTP 	<p>Yes</p> <p>Yes</p>
type of time synchronization	IEEE 1588
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • KC approval • Regulatory Compliance Mark (RCM) 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
standard	
<ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL 	<p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p> <p>UL 60950-1, CSA C22.2 No. 60950-1-03</p>
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life 	<p>1077.71 kg</p> <p>132 kg</p> <p>945.12 kg</p> <p>0.59 kg</p>
product functions / general	
warranty period	5 a
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber

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Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)



EMV

For use in hazardous locations

Environment

[KC](#)



[FM](#)

[CCC-Ex](#)



Industrial Communication

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