

SCALANCE XR528-6M; managed IE switch; 19" rack; 4x 1000/10000 Mbit/s SFP+; 6x 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	XR528-6M
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	RJ45
• for Power-over-Ethernet / for network components or terminal equipment	12
number of electrical connections	
• for SFP+	4
interfaces / for communication / plug-in	
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	24
• for single mode (LD)	24
number of 1000 Mbit/s SC ports	
• for multimode	24
• for single mode (LD)	24
number of electrical connections	
• for SFP	4
• for SFP+	4
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	1
• for media module	6
• for power supply	1
type of electrical connection	
• for operator console	RJ11
• for management purposes	RJ45
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
product feature / hot-swappable interface modules	Yes
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• 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	
● per port / maximum	30 W
● total / maximum	180 W
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	22 W
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	11.5 A
● type of electrical connection / 1 / for power supply	4-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	F 15 A / 125 V
<b>ambient conditions</b>	
ambient temperature	
● during operation	0 ... 60 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C
● note	Operation with integral fan, replaceable
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	19-inch rack
number of modular height units / relating to 19-inch cabinet	2
width	449 mm
height	87.2 mm
depth	305 mm
net weight	7.2 kg
fastening method	
● 19-inch installation	Yes
● 35 mm DIN-rail mounting	No
● wall mounting	No
● S7-300 rail mounting	No
● S7-1500 rail mounting	No
type of cable outlet	Cable outlet at front
<b>product features, product functions, product components / general</b>	
cascading in cases of star topology	any (depending only on signal propagation time)
<b>product functions / management, configuration, engineering</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
● multiport mirroring	Yes
● CoS	Yes
● PROFINET IO diagnosis	Yes
● switch-managed	Yes
PROFINET conformity class	B
telegram length / for Ethernet / maximum	9216 byte
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● BOOTP	Yes
● GMRP	Yes

• DCP	Yes
• LLDP	Yes
• SNMP v1	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
<b>product functions / diagnostics</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
number of VLANs - dynamic / maximum	255
<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>	
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
<b>product functions / redundancy</b>	
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
<b>product functions / security</b>	
product function	
● 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
<b>standards, specifications, approvals</b>	
certificate of suitability	
● CE marking	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● for EMC interference emission	EN 61000-6-4 (Class A)
● for immunity to EMC	EN 61000-6-2
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1-03
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
● ATEX	Yes
● UKEX	Yes
● IECEx	Yes
● ULhazloc approval	Yes
● CCC / for hazardous zone according to GB standard	Yes
● FM registration	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
● 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
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	467.85 kg
● during manufacturing	225.96 kg
● during operation	241.04 kg
● after end of life	0.85 kg
<b>product functions / general</b>	
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE
Warranty period	5 a
<b>further information / internet links</b>	
internet link	
● to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
● to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
● to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
● to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
● to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
● to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
● to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	

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### Approvals / Certificates

#### General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)



EMV

For use in hazardous locations

Maritime application

KC



IECEx



FM

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ABS

#### Maritime application



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