

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 prepared; ports in the front.



product type designation	SCALANCE XR528-6M
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	24
number of optical ports / maximum	28
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 management purposes	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
design of the removable storage	
• C-PLUG/KEY-PLUG	Yes
product feature / hot-swappable interface modules	Yes
signal inputs/outputs	
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	
product component / connection for redundant voltage supply	Yes
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
ambient conditions	
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
design, dimensions and weights	
design	19" 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 top hat 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
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	
• 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
PROFINET conformity class	B
product function / switch-managed	Yes
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
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
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 / routing	
service / routing / note	IP routing in combination with KEY-PLUG XR-500
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
• RIPv2 for IPv6	Yes
• OSPFv2	Yes
• OSPFv3 for IPv6	Yes
• VRRP	Yes
• VRRP for IPv6	Yes
product functions / redundancy	
product function	
• ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager	Yes

- Media Redundancy Protocol Interconnection (MRP-I) - redundancy procedure STP - redundancy procedure RSTP - redundancy procedure RSTP+ - redundancy procedure MSTP - Parallel Redundancy Protocol (PRP)/operation in the PRP-network - Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) - passive listening	Yes Yes Yes Yes Yes Yes No Yes
protocol / is supported	
LACP	Yes
product functions / security	
product function	
- ACL - MAC-based - ACL - port/MAC-based - IEEE 802.1x (radius) - broadcast/multicast/unicast limiter - broadcast blocking	Yes Yes Yes Yes Yes
protocol / is supported	
SSH	Yes
product functions / time	
product function	
SICLOCK support	Yes
protocol / is supported	
- NTP - SNTP	Yes Yes
type of time synchronization	IEEE 1588
standards, specifications, approvals	
standard	
- for FM - for safety / from CSA and UL - for emitted interference - for interference immunity	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 UL 60950-1, CSA C22.2 No. 60950-1-03 EN 61000-6-4 (Class A) EN 61000-6-2
reference code	
- according to IEC 81346-2 - according to IEC 81346-2:2019	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X
from CSA and UL	ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
certificate of suitability	
- CCC / for hazardous zone according to GB standard - CCC / for hazardous zone according to GB standard / as marking	Yes Ex nA IIC T4 Gc
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
- C-Tick - KC approval - E1 approval - E1 approval	Yes Yes No No
standards, specifications, approvals / marine classification	
Marine classification association	
- American Bureau of Shipping Europe Ltd. (ABS) - French marine classification society (BV) - Det Norske Veritas (DNV) - Germanische Lloyd (GL) - DNV GL	Yes Yes No No Yes

- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes
Yes
Yes
Yes

further information / internet links

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/tia-selection-tool>
<http://www.siemens.com/simatic-net>
<https://mall.industry.siemens.com>
<http://www.siemens.com/industry/infocenter>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval

EMC

For use in hazardous locations

[Manufacturer Declaration](#)



[ATEX-Zone 2-Declaration](#)



FM

[CCC-Ex](#)

Declaration of Conformity

Marine / Shipping



[Manufacturer Declaration](#)



Marine / Shipping

other



[NK / Nippon Kaiji Kyokai](#)



[PROFINET-Certification](#)

Environment



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