

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 at the back.



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| 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 | |

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| <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 | DC |
| <ul style="list-style-type: none"> • supply voltage / 1 / rated value | 24 V |
| <ul style="list-style-type: none"> • power loss [W] / 1 / rated value | 22 W |
| <ul style="list-style-type: none"> • supply voltage / 1 / rated value | 19.2 ... 28.8 V |
| <ul style="list-style-type: none"> • consumed current / 1 / maximum | 11.5 A |
| <ul style="list-style-type: none"> • type of electrical connection / 1 / for power supply | 4-pole terminal block |
| <ul style="list-style-type: none"> • product component / 1 / fusing at power supply input | Yes |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation | 0 ... 60 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| <ul style="list-style-type: none"> • note | 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" 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 | |
| <ul style="list-style-type: none"> • 19-inch installation | Yes |
| <ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting | No |
| <ul style="list-style-type: none"> • wall mounting | No |
| <ul style="list-style-type: none"> • S7-300 rail mounting | No |
| <ul style="list-style-type: none"> • S7-1500 rail mounting | No |
| type of cable outlet | Cable outlet at rear |
| 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 | Yes |
| <ul style="list-style-type: none"> • web-based management | Yes |
| <ul style="list-style-type: none"> • MIB support | Yes |
| <ul style="list-style-type: none"> • TRAPs via email | Yes |
| <ul style="list-style-type: none"> • configuration with STEP 7 | Yes |
| <ul style="list-style-type: none"> • RMON | Yes |
| <ul style="list-style-type: none"> • port mirroring | Yes |
| <ul style="list-style-type: none"> • multipoint mirroring | Yes |
| <ul style="list-style-type: none"> • CoS | Yes |
| <ul style="list-style-type: none"> • PROFINET IO diagnosis | Yes |
| PROFINET conformity class | B |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 9216 byte |
| protocol / is supported | |
| <ul style="list-style-type: none"> • Telnet | Yes |
| <ul style="list-style-type: none"> • HTTP | Yes |
| <ul style="list-style-type: none"> • HTTPS | Yes |
| <ul style="list-style-type: none"> • TFTP | Yes |

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| • 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 |
| • RIPnG 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) | Yes |

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| <ul style="list-style-type: none"> • redundancy procedure STP | Yes |
| <ul style="list-style-type: none"> • redundancy procedure RSTP | Yes |
| <ul style="list-style-type: none"> • redundancy procedure RSTP+ | Yes |
| <ul style="list-style-type: none"> • redundancy procedure MSTP | Yes |
| <ul style="list-style-type: none"> • passive listening | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • LACP | Yes |
| product functions / security | |
| product function | |
| <ul style="list-style-type: none"> • ACL - MAC-based | Yes |
| <ul style="list-style-type: none"> • ACL - port/MAC-based | Yes |
| <ul style="list-style-type: none"> • IEEE 802.1x (radius) | Yes |
| <ul style="list-style-type: none"> • broadcast/multicast/unicast limiter | Yes |
| <ul style="list-style-type: none"> • broadcast blocking | Yes |
| 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 | Yes |
| <ul style="list-style-type: none"> • SNTP | Yes |
| type of time synchronization | IEEE 1588 |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> • for FM | FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |
| <ul style="list-style-type: none"> • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1-03 |
| <ul style="list-style-type: none"> • for emitted interference | EN 61000-6-4 (Class A) |
| <ul style="list-style-type: none"> • for interference immunity | EN 61000-6-2 |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 | KF |
| <ul style="list-style-type: none"> • according to IEC 81346-2:2019 | 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 |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard | Yes |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| <ul style="list-style-type: none"> • C-Tick | Yes |
| <ul style="list-style-type: none"> • KC approval | Yes |
| <ul style="list-style-type: none"> • E1 approval | No |
| <ul style="list-style-type: none"> • E1 approval | No |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| <ul style="list-style-type: none"> • French marine classification society (BV) | Yes |
| <ul style="list-style-type: none"> • DNV GL | Yes |
| <ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) | Yes |
| <ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) | Yes |
| <ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) | Yes |
| <ul style="list-style-type: none"> • Royal Institution of Naval Architects (RINA) | 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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