



SCALANCE XP216, managed IE switch, 12x 10/100 Mbit/s IEC 62443-4-2 certified; M12 ports, 4x 10/100/1000 Mbit/s M12 ports IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, incl. dust caps, including electronic manual on CD-ROM, C-PLUG optional.

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| product type designation | SCALANCE XP216 |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections • for network components or terminal equipment | 16 |
| number of 10/100 Mbit/s M12-ports (D-coded) / integrated | 12 |
| number of 10/100/1000 Mbit/s M12-ports (X-coded) / integrated | 4 |
| interfaces / other | |
| number of electrical connections • for operator console • for signaling contact • for power supply | 1 1 1 |
| type of electrical connection • for operator console • for signaling contact • for power supply | 5 pin M12 socket (A coded) 5-pin M12 connector (B-coded) 4-pin M12 plug (A-coded) |
| design of the removable storage • C-PLUG | 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 / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • consumed current / 1 / at rated supply voltage / maximum • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input | DC 24 V 8 W 0.4 A 19.2 ... 28.8 V 0.335 A 4-pin M12 plug (A-coded) Yes |
| ambient conditions | |
| ambient temperature • during operation | -40 ... +70 °C |

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| <ul style="list-style-type: none"> during storage during transport | -40 ... +70 °C |
| relative humidity | -40 ... +70 °C |
| <ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP65 |
| design, dimensions and weights | |
| design | compact |
| width | 280 mm |
| height | 200 mm |
| depth | 49 mm |
| net weight | 2.5 kg |
| material / of the enclosure | Aluminum |
| fastening method | ET200pro module carrier |
| <ul style="list-style-type: none"> wall mounting | Yes |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of $\sim 0.3\text{ s}$ | 50 |
| 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 with IRT / PROFINET IO switch PROFINET IO diagnosis | <ul style="list-style-type: none"> Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes |
| PROFINET conformity class | B |
| network load class / according to PROFINET | 2 |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 1518 byte |
| protocol / is supported | |
| <ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP FTP BOOTP DCP LLDP EtherNet/IP SNMP v1 SNMP v2 SNMP v3 IGMP (snooping/querier) | <ul style="list-style-type: none"> Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes |
| identification & maintenance function | |
| <ul style="list-style-type: none"> I&M0 - device-specific information I&M1 – higher level designation/location designation | <ul style="list-style-type: none"> Yes Yes |
| product functions / diagnostics | |
| product function | |
| <ul style="list-style-type: none"> port diagnostics statistics Packet Size statistics packet type error statistics SysLog | <ul style="list-style-type: none"> Yes Yes Yes Yes Yes |

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| <ul style="list-style-type: none"> • loopback diagnostics | Yes |
| product functions / VLAN | |
| product function | |
| <ul style="list-style-type: none"> • VLAN - port based | Yes |
| <ul style="list-style-type: none"> • VLAN - protocol-based | No |
| <ul style="list-style-type: none"> • VLAN - IP-based | No |
| <ul style="list-style-type: none"> • VLAN dynamic | No |
| number of VLANs / maximum | 257 |
| number of VLANs - dynamic / maximum | 257 |
| number of VLANs / at ring redundancy (HRP; MRP; standby link) | 35 |
| product functions / DHCP | |
| product function | |
| <ul style="list-style-type: none"> • DHCP server | Yes |
| <ul style="list-style-type: none"> • DHCP client | Yes |
| <ul style="list-style-type: none"> • DHCP Option 82 | Yes |
| <ul style="list-style-type: none"> • DHCP Option 66 | Yes |
| <ul style="list-style-type: none"> • DHCP Option 67 | Yes |
| product functions / redundancy | |
| product function | |
| <ul style="list-style-type: none"> • of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| <ul style="list-style-type: none"> • ring redundancy | Yes |
| <ul style="list-style-type: none"> • High Speed Redundancy Protocol (HRP) | Yes |
| <ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> • Media Redundancy Protocol Interconnection (MRP-I) | Yes |
| <ul style="list-style-type: none"> • of the PROFINET IO device / is supported / H-Sync forwarding | 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 |
| product functions / security | |
| product function | |
| <ul style="list-style-type: none"> • RADIUS client | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • SSH | Yes |
| <ul style="list-style-type: none"> • SSL | Yes |
| product functions / time | |
| product function | |
| <ul style="list-style-type: none"> • SICLOCK support | Yes |
| <ul style="list-style-type: none"> • NTP-client | Yes |
| <ul style="list-style-type: none"> • SNTP client | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • NTP | Yes |
| <ul style="list-style-type: none"> • SNTP | Yes |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> • for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 |

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| <ul style="list-style-type: none"> • for safety / from CSA and UL • for emitted interference • for interference immunity | UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4 (Class A) EN 61000-6-2 |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 | KF KFE |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| certificate of suitability / RoHS conformity | Yes |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| <ul style="list-style-type: none"> • from CSA and UL | ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 |
| certificate of suitability | |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard | Yes |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • C-Tick • KC approval • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 | Yes Yes No No |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Polski Rejestr Statkow (PRS) | Yes Yes Yes Yes Yes |
| accessories | |
| product extension / optional / C-PLUG | Yes |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> • 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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last modified:

7/8/2022 