

SCALANCE XR324-4M PoE; Managed IE switch, 19" rack; 8x 10/100/1000 Mbit/s for RJ45 ports electrical with PoE, 8x 10/100/1000 Mbit/s for RJ45 ports electrical without PoE 4x 10/100/1000 Mbit/s 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set pushbutton, PROFINET IO device; C-plug in scope of delivery; Power supply 230 V AC; Ports in the front.



Figure similar

| product type designation | | SCALANCE XR324-4M PoE |
|--|--|------------------------------------|
| transfer rate | | |
| transfer rate | | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices | | |
| number of electrical ports / maximum | | 24 |
| number of optical ports / maximum | | 8 |
| interfaces / for communication / integrated | | |
| number of electrical connections | | |
| • for network components or terminal equipment | | 16; RJ45 |
| • for Power-over-Ethernet / for network components or terminal equipment | | 8 |
| number of 100 Mbit/s ST(BFOC) ports | | |
| • for multimode | | 8 |
| number of 100 Mbit/s SC ports | | |
| • for multimode | | 8 |
| number of 1000 Mbit/s LC ports | | |
| • for multimode | | 8 |
| • for single mode (LD) | | 8 |
| interfaces / other | | |
| number of electrical connections | | |
| • for operator console | | 1 |
| • for signaling contact | | 1 |
| • for media module | | 4 |
| • for power supply | | 1 |
| type of electrical connection | | |
| • for operator console | | RJ11 |
| • for signaling contact | | 2-pole terminal block |
| • for power supply | | 2-pole terminal block |
| 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 | | |
| type of voltage supply / redundant power supply unit | | No |
| type of voltage / 1 / of the supply voltage | | |
| • supply voltage / 1 / rated value | | 230 V |

- power loss [W] / 1 / rated value
- 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

46 W
85 ... 264 V
1 A
2-pole terminal block
Yes

ambient conditions

| | |
|--|--|
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| • note | With vertical installation, the maximum operating temperature is reduced to 60 °C. |
| 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 | 1 |
| width | 449 mm |
| height | 43.6 mm |
| depth | 305 mm |
| net weight | 6.8 kg |
| fastening method | When used in shipbuilding, the device must be secured in the 19" rack at four points |
| • 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 |

product features, product functions, product components / general

| | |
|--|---|
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s | 100 |
| 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 |
| 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 | No |
| • VLAN - IP-based | No |
| • 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 / 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 |
| • redundancy procedure STP | Yes |
| • redundancy procedure RSTP | Yes |
| • redundancy procedure MSTP | Yes |
| • passive listening | Yes |
| protocol / is supported | |
| • STP/RSTP | Yes |
| • STP | Yes |
| • RSTP | Yes |
| • MSTP | Yes |
| • RSTP big network support | Yes |
| • LACP | Yes |
| product functions / security | |
| product function | |
| • ACL - MAC-based | Yes |
| • ACL - port/MAC-based | Yes |
| • IEEE 802.1x (radius) | Yes |
| • broadcast/multicast/unicast limiter | Yes |
| • broadcast blocking | Yes |
| protocol / is supported | |
| • SSH | Yes |
| product functions / time | |
| product function | |
| • SICLOCK support | Yes |
| protocol / is supported | |

| | |
|--|---|
| <ul style="list-style-type: none"> • NTP • SNTP • IEEE 1588 profile default | Yes Yes Yes |
| standards, specifications, approvals | |
| standard <ul style="list-style-type: none"> • for safety / from CSA and UL • for emitted interference • for interference immunity | UL 508, CSA C22.2 No. 142-M1987 EN 61000-6-4:2007 (Class A) EN 61000-6-2:2006 |
| 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 |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone <ul style="list-style-type: none"> • from CSA and UL | - No |
| standards, specifications, approvals / other | |
| certificate of suitability <ul style="list-style-type: none"> • C-Tick • KC approval | EN 61000-6-2:2006, EN 61000-6-4:2007 Yes Yes |
| standards, specifications, approvals / marine classification | |
| Marine classification association <ul style="list-style-type: none"> • French marine classification society (BV) • Korean Register of Shipping (KRS) | Yes 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 |
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last modified:

2/7/2023 

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