

SCALANCE XR526-8C; managed IE switch; Layer 3 integrated;
Power supply 24 V DC; 24x 10/100/1000 Mbit/s RJ45; 8x 100/1000
Mbit/s SFP Combo; 2x 10 Gbit/S SFP+; in total 26 ports can be used;
error signaling contact; select/set button; PROFINET IO device;
redundancy functions; office features (RSTP, VLAN, IGMP, ...); C-
plug in scope of delivery



Product type designation	SCALANCE XR526-8C
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
• for network components or terminal equipment	24; RJ45
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	0
Number of 100 Mbit/s SC ports	
• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	8
• for single mode (LD)	8
Number of electrical connections	
• for SFP	8
• for SFP+	2
Number of combo ports / with RJ45 interface for optical plug-in transceiver	8

Interfaces / for communication / plug-in

Number of electrical connections

- | | |
|------------|----|
| • for SFP | 10 |
| • for SFP+ | 2 |

Interfaces / other

Number of electrical connections

- | | |
|---------------------------|---|
| • for operator console | 1 |
| • for management purposes | 1 |
| • for signaling contact | 1 |
| • 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 |
|-----------------------|------|

Operating 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 | DC |
| • Supply voltage / 1 / Rated value | 24 V |
| • Power loss [W] / 1 / Rated value | 36 W |
| • Supply voltage / 1 / rated value | 19.2 ... 28.8 V |

Ambient conditions

Ambient temperature

- | | |
|--------------------|----------------|
| • during operation | 0 ... 50 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °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	44 mm
Depth	305 mm
Net weight	4 kg
Mounting type	
• 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

Product features, product functions, product components / general

Cascading in cases of star topology	any (depending only on signal propagation time)
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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 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
• RIPv6 for IPv6	Yes
• OSPFv2	Yes

- OSPFv3 for IPv6
- VRRP
- VRRP for IPv6

Yes
Yes
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	
• 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	
• NTP	Yes
• SNTP	Yes

Standards, specifications, approvals

Standard	
• for safety / from CSA and UL	available soon
• for emitted interference	EN 61000-6-4 (Class A)

- for interference immunity

EN 61000-6-2

Standards, specifications, approvals / CE

Certificate of suitability / CE marking

Yes

Standards, specifications, approvals / other

Certificate of suitability

EN 61000-6-2, EN 61000-6-4

- C-Tick
- E1 approval
- E1 approval
- KC approval

Yes
No
No
Yes

Standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- DNV GL
- Korean Register of Shipping (KRS)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET 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/snst>
<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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