

SCALANCE XR524-8C; managed IE switch; Layer 3 integrated; Power supply 2x 230 V AC; 24x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP; contains 8 combo ports; in total 24 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 XR524-8C
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		24; RJ45
number of 100 Mbit/s ST(BFOC) ports for multimode		0
number of electrical connections for SFP		8
number of combo ports / with RJ45 interface for optical plug-in transceiver		8
interfaces / for communication / plug-in		
number of electrical connections for SFP		8
interfaces / other		
number of electrical connections - for operator console - for management purposes - for signaling contact - for power supply		1 1 1 1
type of electrical connection - for operator console - for management purposes - for signaling contact - for power supply		RJ11 RJ45 2-pole terminal block 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		Yes
type of voltage / 1 / of the supply voltage		

• supply voltage / 1 / rated value • 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 • fuse protection type / 1 / at input for supply voltage	230 V 24 W 90 ... 264 V 0.6 A 4-pole terminal block Yes 3.15 A / 250 V
ambient conditions	
ambient temperature	
• during operation • during storage • during transport	-25 ... +60 °C -40 ... +85 °C -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	4.5 kg
fastening method	
• 19-inch installation • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes No No No 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 • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
PROFINET conformity class	B
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	9216 byte
protocol / is supported	
• Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • GMRP • DCP • LLDP • SNMP v1 • SNMP v2	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes 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	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
• redundancy procedure STP	Yes
• redundancy procedure RSTP	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
reference code	
• acc. to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
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	Yes
• KC approval	Yes
• E1 approval	No
• E1 approval	No
standards, specifications, approvals / marine classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	Yes
• DNV GL	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and

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