

SCALANCE XR324-4M EEC; Managed IE switch, 19" rack; 16x 10/100/1000 Mbit/s for RJ45 ports electrical; 4x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager; Power supply 2x 230 V AC; Ports in the front.



product type designation	SCALANCE XR324-4M EEC
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	16; RJ45
for network components or terminal equipment	
number of 100 Mbit/s ST(BFOC) ports	8
for multimode	
number of 100 Mbit/s SC ports	8
for multimode	
number of 1000 Mbit/s LC ports	8
- for multimode - for single mode (LD)	8
interfaces / other	
number of electrical connections	1
- for operator console - for signaling contact - for media module - for power supply	1 1 4 2
type of electrical connection	RJ11
- for operator console - for signaling contact - for power supply	2 x 3-pole terminal block 2 x 3-pole terminal block
design of the removable storage	Yes
C-PLUG	
signal inputs/outputs	
operating voltage / of the signaling contacts	276 V
- at AC / rated value - at DC / rated value	230 V
operational current / of the signaling contacts	5 A
- at AC / maximum - at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
type of voltage supply / redundant power supply unit	Yes
type of voltage / 1 / of the supply voltage	230 V
- 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	42 W 80 ... 276 V 0.7 A 2 x 3-pole terminal block Yes

• fuse protection type / 1 / at input for supply voltage	3.15 A / 250 V
type of voltage / 2 / of the supply voltage	DC
• power loss [W] / 2 / rated value	42 W
• consumed current / 2 / at rated supply voltage / maximum	0.7 A
• supply voltage / 2 / rated value	60 ... 250 V
• type of electrical connection / 2 / for power supply	2 x 3-pole terminal block
• product component / 2 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• note	Extended temperature upper limit of +85° C permitted for 16 hours. Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C 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	483 mm
height	44 mm
depth	305 mm
net weight	7 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 <1~0.3~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 • SNMP v3 • IGMP (snooping/querier)	Yes
identification & maintenance function	Yes
• I&M0 - device-specific information • I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	
• port diagnostics • statistics Packet Size • statistics packet type • error statistics • SysLog	Yes
	Yes
	Yes
	Yes
	Yes
product functions / VLAN	
product function	
• VLAN - port based • VLAN - protocol-based • VLAN - IP-based • VLAN dynamic	Yes
	No
	No
	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
• DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67	Yes
	Yes
	Yes
	Yes
product functions / redundancy	
product function	
• ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy	Yes
	Yes
	Yes
	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
protocol / is supported	
• STP/RSTP • STP • RSTP • MSTP • RSTP big network support • LACP	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
product functions / security	
product function	
• ACL - MAC-based • ACL - port/MAC-based • IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • broadcast blocking	Yes
	Yes
	Yes
	Yes
	Yes
protocol / is supported	
• SSH	Yes
product functions / time	
product function	

• SICLOCK support	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
• IEEE 1588 profile default	Yes
standards, specifications, approvals	
standard	
• for safety / from CSA and UL	UL 508, CSA C22.2 No. 142-M1987
• for emitted interference	EN 61000-6-4:2007 (Class A)
• for interference immunity	EN 61000-6-2:2005
MTBF	20 y
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standard	
• for EMC	IEC 61850, IEEE 1613
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	-
• from CSA and UL	No
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• C-Tick	Yes
• KC approval	Yes
• IEC 61850-3	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• French marine classification society (BV)	Yes
• Korean Register of Shipping (KRS)	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	
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