SIEMENS

Data sheet

Product type designation

6GK5528-0AA00-2AR2

SCALANCE XR528-6M

SCALANCE XR528-6M; MANAGED IE SWITCH LAYER3 PREPARED 19",RACK DATA CABLE OUTLET FRONT SIDE, 4 X 1000/10000MBIT/S SFP PLUS; 6 X 100/1000MBIT/S 4-PORT-MEDIA MODULE, ELECTRICAL, ELECTRICAL POE OR OPTICAL; LED-DIAGNOSTICS; FAULT SIGNAL CONTACT; SELECT/SET-BUTTON; PROFINET-IO DEVICE; NETWORK- MANAGEMENT; INTEGRATED REDUNDANCY-MANAGER; OFFICE FEATURES (RSTP, VLAN, IGMP,...); C-PLUG IN THE SCOPE OF SUPPLY



Transmission rate		
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s	
Interfaces / for communication / integrated		
Number of electrical connections		
 for Power-over-Ethernet / for network components or terminal equipment 	12	
Number of electrical connections		
• for SFP+	4	
Interfaces / for communication / pluggable / maximum		
Number of 100 Mbit/s ST(BFOC) ports		
• for multimode	24	
• for single mode (LD)	24	
Number of 1000 Mbit/s SC ports		
• for multimode	24	
• for single mode (LD)	24	
Number of electrical connections		
• for SFP	4	

• for SFP+

• for SFP+	4
Interfaces / others	
Number of electrical connections	
• for operator console	1
 for management purposes 	1
 for signaling contact 	1
• for media module	6
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
 for operator console 	RJ11 port
 for management purposes 	RJ45 port
 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 / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	19.2 28.8 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	F 15 A / 125 V
Consumed current / maximum	11.5 A
Supplied active power / of PSE / with PoE	
● per port / maximum	30 W
● total / maximum	180 W
Permitted ambient conditions	
Ambient temperature	
 during operation 	0 60 °C
 during storage 	-40 +70 °C
 during transport 	-40 +70 °C
• Note	Operation with integral fan, replaceable

Relative humidity	
 at 25 °C / without condensation / during 	95 %
operation / maximum	
Protection class IP	IP20
Design, dimensions and weight	
Design	19" rack
Number of modular height units / relating to 19-inch	2
cabinet	
Width	449 mm
Height	87.2 mm
Depth	305 mm
Net weight	10 kg
Mounting type	Vaa
• 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 properties, functions, components / gener	
Cascading in cases of star topology	any (depending only on signal propagation time)
Product functions / management, configuration	
Product functions / management, configuration Product function	
	Yes
Product function	Yes Yes
Product function • CLI	
Product function CLI web-based management 	Yes
Product function • CLI • web-based management • MIB support	Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email	Yes Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7	Yes Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON	Yes Yes Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring	Yes Yes Yes Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring • multiport mirroring	Yes Yes Yes Yes Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring • multiport mirroring • CoS	Yes Yes Yes Yes Yes Yes
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
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis • switch-managed	Yes Yes Yes Yes Yes Yes Yes
Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis • switch-managed Telegram length / for Ethernet / maximum	Yes Yes Yes Yes Yes Yes Yes
Product function CLI web-based management MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring multiport mirroring CoS PROFINET IO diagnosis switch-managed Telegram length / for Ethernet / maximum Protocol / is supported	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Product function CLI web-based management MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring Multiport mirroring CoS PROFINET IO diagnosis switch-managed Telegram length / for Ethernet / maximum Protocol / is supported Telnet HTTP	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Product function CLI web-based management MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring multiport mirroring CoS PROFINET IO diagnosis switch-managed Telegram length / for Ethernet / maximum Protocol / is supported Telnet HTTP HTTPS	Yes Yes Yes Yes Yes Yes Yes Yes Yes 9216 byte
Product function CLI web-based management MIB support TRAPs via email Configuration with STEP 7 RMON Port mirroring Multiport mirroring CoS PROFINET IO diagnosis switch-managed Telegram length / for Ethernet / maximum Protocol / is supported Telnet HTTP	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

• BOOTP	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
 IGMP (snooping/querier) 	Yes
Identification & maintenance function	
 I&M0 - device-specific information 	Yes
 I&M1 – higher-level designation/location designation 	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
Product functions / Diagnosis	
Product functions / Diagnosis	
Port diagnostics	Yes
Statistics Packet Size	Yes
Statistics packet type	Yes
• Error statistics	Yes
• SysLog	Yes
Product functions / VLAN	
Product function	Yes
• VLAN - port based	
• VLAN - protocol-based	Yes
• VLAN - IP-based	Yes
VLAN dynamic	Yes
Number of VLANs / maximum	255
Number of VLANs - dynamic / maximum Protocol / is supported / GVRP	255 Yes
Protocol / is supported / GVRP	res
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 in combination with KEY-PLUG XR-500, IPv6 available
	soon
Product function	
Static IP routing	Yes

• State: Produit produit No • dynamic IP routing IPv6 No • RProtect / is supported · • RIPv2 Yes • RIPv2 Yes • RIPv2 Yes • SSPFv3 for IPv6 No • VRRP Yes • VRRP for IPv6 No • VRRP for IPv6 Yes • Ing redundancy Protocol (HRP) with standby redundancy Protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy protocol (HRP) with redundancy protocol (MRP) Yes • Protocol / is supported Yes • Farallel Redundancy Protocol (PPI)/operation in the PRP-network No • Protocol / is supported Yes • LACP Yes •	Static ID routing IDv6	No
• dynamic Prouting IPv6 No Protocol / is supported Yes • RIPv2 Yes • RIPv3 Yes • RIPv3 Yes • OSPFv3 for IPv6 No • VRRP Yes • OSPFv3 for IPv6 No • VRRP for IPv6 Yes • High Speed Redundancy Protocol (HRP) with redundancy protocol (HRP) with standby redundancy protocol (HRP) with redundancy protocol (MRP) with redundancy protocol (RRP)/peration in the PRP-network • Parallel Redundancy Protocol (PRP)/peration in the PRP-network Yes • Protocol / Is supported Ves • Protocol / Is supported Yes • ACL - MAC-base	Static IP routing IPv6 dynamic IP routing	
Protocol / is supported Yes • RIPv2 Yes • RIPv3 for IPv6 No • OSPFv2 Yes • OSPFv3 for IPv6 No • VRRP Yes • VRRP for IPv6 No • VRRP for IPv6 Yes • Ingin speed redundancy Protocol (HRP) with redundancy protocol (HRP) with redundancy protocol (MRP) with redundancy protocol (PRP)/operation in the PRP-network • Product function Yes • redundancy protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network No • Parallel Redundancy Protocol (PRP)/operation in the PRP-network No • Parallel Redundancy Protocol (PRP)/operation in the PRP-network No • Parallel Redundancy Proto		
• RIPv2 Yes • RIPnG for IPv6 No • OSPFv2 Yes • OSPFv3 for IPv6 No • VRRP Yes • VRRP for IPv6 No • Product function Yes • High speed redundancy protocol (HRP) with standby redundancy protocol (HRP) with redundancy protocol (MRP) with redundancy protocol (PRP)/Protocol re STP Yes • redundancy procedure RSTP Yes • redundancy protocol (PRP)/Protocol (PRP)/Protocol (PRP)/pretion Yes • Parallel Redundancy Protocol (PRP)/Protocol (P		
Instruct No • RPARG for IPv6 No • OSPFv2 Yes • OSPFv2 for IPv6 No • VRRP for IPv6 Yes • Froduct function Yes • high speed redundancy protocol (HRP) with redundancy manager Yes • high speed redundancy protocol (MRP) with redundancy procedure RSTP Yes • redundancy protocol (PRP)/Secture Protocol (PRP)/Sectur		Yes
• OSPFv2Yes• OSPFv3 for IPv6No• VRRPYes• VRRP for IPv6NoProduct functions / Seed nedundancyYes• Ring redundancyYes• High Speed Redundancy protocol (HRP)Yes• high speed redundancy protocol (HRP) with standby redundancy protocol (MRP) with redundancy protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • Passive listening • Protocol / is supported • LACPYesProtocol / is supported • CACL - NAC-based • ACL - MAC-based • ACL - MAC-based • ACL - MAC-based • Eroadcast/Multicast Limiter • Broadcast/Multicast Limiter • Broadcast/Multicast Limiter • Broadcast/Multicast Limiter • Protocol / is supportedYesProtocol / is supportedYes<		
OSPFv3 for IPv6 No • VRRP Yes • VRRP for IPv6 No Product functions / Redundancy Yes • 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 protocol (HRP) with redundancy manager Yes • Protocol / is supported / Media Redundancy Protocol (MRP) with redundancy manager Yes • redundancy manager Yes • redundancy procedure STP Yes • redundancy procedure STP Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • Parallel Redundancy Protocol (PPP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Protocol / is supported Yes • LACP Yes Protocol function Yes • ACL - MAC-based Yes • ACL - MAC-based Yes • Brandcast/Multicast/Limiter Yes • Brandcast/Multicast/Limiter Yes • Brandcast/Multicast/Limiter Yes • Brandcast/Multicast/Limiter Yes		
•VRP Yes •VRP for IPv6 No Product functions Fredundancy •Ring redundancy Yes •high Speed Redundancy protocol (HRP) Yes •high speed redundancy protocol (HRP) with redundancy manager Yes •high speed redundancy protocol (HRP) with redundancy manager Yes •protocol / is supported / Media Redundancy Protocol (MRP) with redundancy manager Yes •protocol / is supported / Media Redundancy Protocol (MRP) with redundancy manager Yes •redundancy procedure STP Yes •redundancy procedure RSTP Yes •redundancy procedure RSTP Yes •redundancy protocol (MRP) with redundancy protocol Yes •redundancy procedure RSTP Yes •redundancy procedure RSTP Yes •redundancy procedure RSTP Yes •redundancy protocol (PPP)/operation in the FRP-network Yes •Parallel Redundancy Protocol (PRP)/operation in the FRP-network Yes •Parallel Redundance Yorocol (PRP)/operation in the FRP-network Yes •Protocol / is supported Yes •LACP Yes Protocol functions Yes •ACL - MAC-based Yes •Ere 802.1x (radius) Yes •Ere 802.1x (radius) Yes •Broadca		
• VRRP for IPv6 No Product function Yes • Ring redundancy Yes • High Speed Redundancy Protocol (HRP) with redundancy manager Yes • high speed redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy Protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) Yes • media redundancy protocol (MRP) with redundancy protocol (MRP) Yes • redundancy protocol (MRP) with redundancy protocol (MRP) Yes • redundancy protocol (MRP) with redundancy protocol (MRP) Yes • redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (PRP)/persiton in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network No • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP) Yes • Protocol / is supported Yes • CACL • MAC-based Yes • ACL - MAC-based Yes • EEE 802.1x (radius) Yes • Eroadcast/Multicast/Unicast Limiter Yes • Broadcast/Multicast/Unicast Limiter Yes		
Product functions / Redundancy Product function • Rig 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 protocol (HRP) with Yes Protocol / is supported / Media Redundancy Protocol (MRP) Yes Product function Yes • media redundancy protocol (MRP) with redundancy manager Yes • redundancy protocol (MRP) with redundancy manager Yes • redundancy protocol (MRP) with redundancy procedure RSTP Yes • redundancy protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes • Product function Yes • LACP Yes • Product function Yes • ACL - MAC-based Yes • IEEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • Broadcast/Multicast/Unicast Limiter Yes		
Product function Yes • 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 Yes • media redundancy protocol (MRP) with redundancy procodure STP Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • redundancy prococol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes • Passive listening Yes Protocol / is supported Yes • LACP Yes Product function Yes • ACL - MAC-based Yes • ACL - MAC-based Yes • EEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • Broadcast blocking Yes		
Ring redundancyYesHigh Speed Redundancy Protocol (HRP) with redundancy managerYeshigh speed redundancy protocol (HRP) with standby redundancyYesProtocol / is supported / Media Redundancy Protocol (MRP)YesProtocol / is supported / Media Redundancy Protocol (PRP)/Redundancy protocol (PRP)/operation in the PRP-networkYesParallel Redundancy Protocol (PRP)/Redundancy		
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 Yes • media redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy protocol (MRP) with redundancy procedure STP Yes • redundancy procedure STP Yes • redundancy procedure RSTP Yes • redundancy Protocol (PRP)/operation in the PRP-network No • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Yes • Protocol / is supported Yes • LACP Yes Product function Yes • ACL - MAC-based Yes • ACL - port/MAC-based Yes • LEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • Broadcast blocking Yes		Vez
high speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy Protocol / is supported / Media Redundancy Protocol (MRP) Product function redia redundancy protocol (MRP) with redundancy protocol (MRP) Yes redundancy protocol (PRP)/operation in the PRP-network · Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) · Passive listening Product function · LACP Product function · ACL - MAC-based · LEEE 802.1x (radius) · Broadcast/Multicast/Unicast Limiter · broadcast blocking Protocol / is supported · Locol / is supported · LEEE 802.1x (radius) Protocol / is supported Protocol / is supported Protocol / is supported Protocol / is supported · LEEE 802.1x (radius) Protocol / is supported Protocol / is supported		
redundancy manager • high speed redundancy protocol (HRP) with standby redundancy Protocol / is supported / Media Redundancy Protocol (MRP) Product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parasive listening • Paasive listening • Protocol / is supported • LACP Product function • ACL - MAC-based • LEEE 802.1x (radius) • Broadcast blocking • Protocol / is supported • broadcast blocking • Protocol / Protocol / Protocol / Protocol / Protocol / P		
standby redundancy Yes Protocol / is supported / Media Redundancy Protocol (MRP) Yes Product function Yes • media redundancy protocol (MRP) with redundancy procedure STP Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • redundancy procedure MSTP Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network No • Parallel Redundancy Protocol No (PRP)/Redundant Network Access (RNA) Yes • Passive listening Yes Protocol / is supported Yes • LACP Yes Product function Yes • ACL - MAC-based Yes • ACL - introlicast Limiter Yes • Broadcast/Multicast/Unicast Limiter Yes • Broadcast blocking Yes		Yes
(MRP) Product function • media redundancy protocol (MRP) with Yes • redundancy manager Yes • redundancy procedure STP Yes • redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol No (PRP)/Redundant Network Access (RNA) Yes • Parallel Redundancy Protocol No (PRP)/Redundant Network Access (RNA) Yes • Parallel Redundancy Protocol No (PRP)/Redundant Network Access (RNA) Yes • Protocol / is supported Yes • LACP Yes Product function Yes • ACL - MAC-based Yes • ACL - opt/MAC-based Yes • Broadcast/Multicast/Unicast Limiter Yes • Broadcast/Multicast/Unicast Limiter Yes • broadcast blocking Yes		Yes
• media redundancy protocol (MRP) with redundancy managerYes• redundancy procedure STPYes• redundancy procedure RSTPYes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy Protocol (PRP)/operation (PRP)/Redundant Network Access (RNA)Yes• Passive listeningYes• Protocol / is supported • LACPYes• Product functions / SecurityYes• Product functions / SecurityYes• ACL - MAC-based • ACL - port/MAC-basedYes• Froduct function • ACL - inform • inform<		Yes
redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • redundancy protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • Passive listening • Passive listening • LACP Protocol / is supported • LACP • Product functions / Security Product function • ACL - MAC-based • ACL - port/MAC-based • IEEE 802.1x (radius) • Broadcast/Multicast/Unicast Limiter • broadcast blocking • Protocol / is supported • broadcast blocking • Contert Protocol / is supported • Contert Protocol / is supported • broadcast blocking • Contert Protocol / is supported • Contert Protocol / is contert Pro	Product function	
• redundancy procedure RSTP Yes • redundancy procedure MSTP Yes • Parallel Redundancy Protocol (PRP)/operation in the PRP-network Yes • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) No • Passive listening Yes Protocol / is supported • LACP Yes Product functions / Security Yes Product function Yes • ACL - MAC-based Yes • IEEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • broadcast blocking Yes		Yes
Preduction (procedure MSTP)Yes• redundancy procedure MSTPYes• Parallel Redundancy Protocol (PRP)/operation in the PRP-networkYes• Parallel Redundancy ProtocolNo(PRP)/Redundant Network Access (RNA)Yes• Passive listeningYesProtocol / is supported • LACPYesProduct functions / SecurityYesProduct functionYes• ACL - MAC-basedYes• IEEE 802.1x (radius)Yes• Broadcast/Multicast/Unicast LimiterYes• broadcast blockingYesProtocol / is supportedYes	 redundancy procedure STP 	Yes
Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 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 Protocol / is supported broadcast blocking Protocol / is supported Yes	 redundancy procedure RSTP 	Yes
in the PRP-network Parallel Redundancy Protocol No Parallel Redundancy Protocol No Passive listening Yes Protocol / is supported LACP Yes 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 IEEE supported	 redundancy procedure MSTP 	Yes
(PRP)/Redundant Network Access (RNA)Yes• Passive listeningYesProtocol / is supported • LACPYesProduct functions / SecurityYesProduct functionYes• ACL - MAC-basedYes• ACL - port/MAC-basedYes• IEEEE 802.1x (radius)Yes• Broadcast/Multicast/Unicast LimiterYes• broadcast blockingYes• Protocol / is supportedYes		Yes
• Passive listening Yes Protocol / is supported Yes • LACP Yes Product functions / Security Yes Product function Yes • ACL - MAC-based Yes • ACL - port/MAC-based Yes • IEEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • broadcast blocking Yes	-	No
LACPYesProduct functions / SecurityProduct functionYes• ACL - MAC-basedYes• ACL - port/MAC-basedYes• Broadcast/Multicast/Unicast LimiterYes• broadcast blockingYesProtocol / is supportedYes		Yes
Product functions / Security Product function • ACL - MAC-based • ACL - port/MAC-based Yes • ACL - port/MAC-based Yes • IEEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • broadcast blocking Yes	Protocol / is supported	
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 Yes	• LACP	Yes
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 Yes	Product functions / Security	
• ACL - port/MAC-based Yes • IEEE 802.1x (radius) Yes • Broadcast/Multicast/Unicast Limiter Yes • broadcast blocking Yes		
IEEE 802.1x (radius) IEEE 802.1x (radius) Broadcast/Multicast/Unicast Limiter broadcast blocking Protocol / is supported	ACL - MAC-based	Yes
Broadcast/Multicast/Unicast Limiter Yes broadcast blocking Yes Protocol / is supported	ACL - port/MAC-based	Yes
broadcast blocking Yes Protocol / is supported	• IEEE 802.1x (radius)	Yes
Protocol / is supported	Broadcast/Multicast/Unicast Limiter	Yes
	 broadcast blocking 	Yes
• SSH Yes	Protocol / is supported	
	• SSH	Yes

Dreduct functions / Time	
Product functions / Time Product function	
SICLOCK support	Yes
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
Type of time synchronization	IEEE 1588 available soon
Standards, specifications, approvals Standard	
	EM2611: Close 1 Divisor 2 Crown A. P. C. D./T.4. Close 1 Zono
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
 for hazardous zone 	EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc,
	KEMA 07 ATEX 0145 X
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1-03
 for hazardous zone / from CSA and UL 	ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
 for emitted interference 	EN 61000-6-4 (Class A)
 for interference immunity 	EN 61000-6-2
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
● E1 approval	No
● E1 approval	No
 KC approval 	Yes
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
• Bureau Veritas (BV)	Yes
 Det Norske Veritas (DNV) 	Yes
 Germanische Lloyd (GL) 	No
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	No
 Royal Institution of Naval Architects (RINA) 	No
Further Information / Internet Links	
Internet-Link	
 to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
• 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
- to website: Industry Online Support

http://www.siemens.com/cax

https://support.industry.siemens.com

Security information

Security information

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