## SIEMENS

## Data sheet

## 6GK5526-8GR00-3AR2

SCALANCE XR526-8C; managed IE switch; Layer 3 integrated; power supply 230 V AC; 24x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP Combo; 2x 10 Gbit/S SFP+; in in total 26 ports can be used; error signaling contact; select/set pushbutton; PROFINET IO device; redundancy functions; office features (RSTP, VLAN, IGMP, ...); C-plug in scope of supply.



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 / maximum configuration for modular devices				
number of electrical ports / maximum	24			
number of optical ports / maximum	10			
interfaces / for communication / integrated				
number of electrical connections				
<ul> <li>for network components or terminal equipment</li> </ul>	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			
<ul> <li>for single mode (LD)</li> </ul>	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				
<ul> <li>for operator console</li> </ul>	1			
<ul> <li>for management purposes</li> </ul>	1			
<ul> <li>for signaling contact</li> </ul>	1			
<ul> <li>for power supply</li> </ul>	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 valtage / of the signaling parts to	
operating voltage / of the signaling contacts	24.1/
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	No
type of voltage / 1 / of the supply voltage	
<ul> <li>supply voltage / 1 / rated value</li> </ul>	230 V
<ul> <li>power loss [W] / 1 / rated value</li> </ul>	36 W
<ul> <li>supply voltage / 1 / rated value</li> </ul>	90 264 V
<ul> <li>consumed current / 1 / maximum</li> </ul>	1.5 A
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	4-pole terminal block
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	3.15 A / 250 V
ambient conditions	
ambient temperature	
during operation	0 50 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity	
<ul> <li>at 25 °C / without condensation / during operation /</li> </ul>	95 %
maximum	
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	4.4 kg
fastening method	
• 19-inch installation	Yes
<ul> <li>35 mm top hat DIN rail mounting</li> </ul>	No
<ul> <li>wall mounting</li> </ul>	No
<ul> <li>S7-300 rail mounting</li> </ul>	No
<ul> <li>S7-1500 rail mounting</li> </ul>	No
type of cable outlet	Cable outlet at front
product features, product functions, product components / gen	eral
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
Configuration with STEP 7     RMON	
	Yes
port mirroring     multiport mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	9216 byte
protocol / is supported	
• Telnet	Yes
• Telnet • HTTP	Yes
<ul><li>Telnet</li><li>HTTP</li><li>HTTPS</li></ul>	Yes Yes
• Telnet • HTTP	Yes

• • BARPYes• SARPYes• SARP<		
• CPPYes• ENNP v1Yes• ENNP v2Yes• ENNP v2Yes• ENNP v3Yes• ENNP v3Yes• ENNP v4Yes• ENNP v5Yes• ENNP v5Yes• ENNP v6Yes• ENNP	• BOOTP	Yes
• LDPVs• SNMP /3Vs• SNMP /3Vs• SNMP /3Vs• Identification & maintenance functionVs• Identification & function <td>• GMRP</td> <td>Yes</td>	• GMRP	Yes
• SNMP +1Yos• SNMP +2Yos• SNMP +3Yos• SNMP +3Yos• SNMP +3Yos• SNMP +10Yos• SNMP +10Yos <tr< td=""><td>• DCP</td><td>Yes</td></tr<>	• DCP	Yes
• SNAP v2Vs• SNAP v3Ys• SNAP v3 <t< td=""><td>• LLDP</td><td>Yes</td></t<>	• LLDP	Yes
• NAP >3YesNAP >3YesNAP >4Yes• NAM - device-specie informationYes• NAM - Informe Verse designation totation designationYesproduct functions / diagnosticsYes• orl diagnosticsYes• orl diagnosticsYes• statistics packet typeYes• statistics (Packet And	• SNMP v1	Yes
identification & manismence functionVesidentification & manismence functionYesidentification & manismence functionYesidentification & dispositionYesproduct function / dispositionYesi attaistice packet functionYesi Attaistice function	• SNMP v2	Yes
isition & maintenance function            isition - device-specific information         Yes           product functions / diagnostics         Yes           product functions / diagnostics         Yes           isitiaties Packet Size         Yes           istatties Packet Size         Yes           involution         Yes           istatties Packet Size         Yes           product function         Yes           istatties Packet Size         Yes           istatties Packet Size         Yes           istatties Packet Size         Yes           istatties Packen Prou	• SNMP v3	Yes
• IAMO - device-specific informationYesproduct functions / relaposationYesproduct functions / relaposationYes• statistics Packet SizeYes• statistics Packet SizeYes• statistics Packet SizeYes• error statisticsYes• error statisticsYes <t< td=""><td><ul> <li>IGMP (snooping/querier)</li> </ul></td><td>Yes</td></t<>	<ul> <li>IGMP (snooping/querier)</li> </ul>	Yes
• eMA1 - higher level designation/location designationYesproduct functions / diagnosticsYes• end diagnostics Servel XizeYes• statistics Packet XizeYes• statistics Packet XizeYes• end statistics Packet XizeYes• VLAN - port basedYes• VLAN - port basedYes• VLAN - protoce basedYes• VLAN - protoce basedYes• VLAN - protoce basedYes• VLAN - functions / Packet XizeYes• VLAN - granting / maximumZS5• Packet Ministric XizeYes• Product functions / DRPPYes• DRDCP Option 85Yes• DRDCP Option 76Yes• DRDCP Option 76Yes• Product functions / PacketYes• Statistic P routing InPedYes• Statistic	identification & maintenance function	
product functions / diagnostics         Yes           • prod diagnostics         Yes           • attailatios Packet Size         Yes           • attailatios packet type         Yes           • error statistics         Yes           • product functions         Yes           • VLAN - portosed         Yes           • VLAN - protosed-based         Yes           • VLAN - protosed-based         Yes           • VLAN s/gramic         Yes           runneer of VLANs / maximum         255           product functions / DHCP         Yes           product functions         Yes           • DHCP Option 82         Yes           • DHCP Option 83         Yes           • DHCP Option 82         Yes           • Statis IP routing IPv6         Yes           • Statis IP routing IPv6         Yes           • Sta	<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
product function              • exit disagnostics         Yes           • statistics Packet Size         Yes           • statistics Packet Size         Yes           • statistics Packet Size         Yes           • etroit statistics Packet Size         Yes           • product function         Yes           • VLAN - prot based         Yes           • VLAN - protocol-based         Yes           • VLAN - product function         Yes           number of VLANs - dynamic         Yes           product functions / DHCP         Yes           orduct function         / Yes           • DHCP Option 62         Yes           • DHCP Option 63         Yes           • Product function         / Yes           • atal to Prouting / roots         Yes           • optiont [Prodit         Yes           • optiont [Prodit         Yes           • optiont [Prouting (PPA	<ul> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes
product function              • exit disagnostics         Yes           • statistics Packet Size         Yes           • statistics Packet Size         Yes           • statistics Packet Size         Yes           • etroit statistics Packet Size         Yes           • product function         Yes           • VLAN - prot based         Yes           • VLAN - protocol-based         Yes           • VLAN - product function         Yes           number of VLANs - dynamic         Yes           product functions / DHCP         Yes           orduct function         / Yes           • DHCP Option 62         Yes           • DHCP Option 63         Yes           • Product function         / Yes           • atal to Prouting / roots         Yes           • optiont [Prodit         Yes           • optiont [Prodit         Yes           • optiont [Prouting (PPA	product functions / diagnostics	
• statisticsYes• statistics Packet SizeYes• error statisticsYes• yerodust functionYes• VLAN - port basedYes• VLAN - probach-basedYes• product functionZesproduct functions / DHCPYesproduct functions / DHCPYesproduct functions / DHCPYes• DHCP Option 62Yes• DHCP Option 63Yes• DHCP Option 64Yes• DHCP Option 65Yes• DHCP Option 67Yes• product functionIProduct function• static IP routingYes• static IP routing PHoSYes• static IP routing HoNSYes• Static IP routing HoNS<		
• statisticYes• statisticsYes• error statisticsYes• product functionYes• VLAN - port basedYes• VLAN - protocob-basedYes• Potocob-basedYes• Potocob-basedYes• Potocob-basedYes• DHCP Option 82Yes• DHCP Option 82Yes• DHCP Option 83Yes• DHCP Option 86Yes• DHCP Option 87Yes• Static IP routing IPv6Yes• Static	port diagnostics	Yes
• statistics packet typeYes• error statisticsYesproduct functions / VLANYesproduct functions / VLANYes• VLAN - port basedYes• VLAN - port basedYes• VLAN - port basedYes• VLAN - Protocol-basedYes• Protocol / is supported / VAPPYes• Protocol functionYes• DHCP Option 82Yes• DHCP Option 63Yes• DHCP Option 63Yes• DHCP Option 63Yes• DHCP Option 70Yes• Protocol / Insuing Pro6Yes• Opticn 07Yes• Opticn 07Y		Yes
• error statisticsYes• SysLogYesproduct functions/ VLAN/• VLAN - pot basedYes• VLAN - govanicZes• VLAN - govanic / maximumZesproduct functions / DHOPZesproduct functions / DHOPYesproduct functions / DHOPYesproduct functions / DHOPYesproduct functions / DHOPYesproduct functions / DHOP Option 82Yes• DHCP Option 82Yes• DHCP Option 82Yes• DHCP Option 84Yes• DHCP Option 85Yes• DHCP Option 86Yes• DHCP Option 87Yes• DHCP Option 86Yes• DHCP Option 86Yes• DHCP Option 87Yes• DHCP Option 86Yes• DHCP Option 86Yes• DHCP Option 86Yes• DHCP Option 86Yes• Statict IP routing IPv6Yes• Statict IP routing IPv6 <td></td> <td>Yes</td>		Yes
• SyslagYesproduct functionproduct functionYes• VLAN - pot basedYes• VLAN - ProbasedYes• VLAN - ProbasedYes• VLAN - ProbasedYes• VLAN - ProbasedYes• VLAN synamicYes• VLAN synamicYes• VLAN synamicZesnumber of VLANs - optanic / maximumZesprobact functionYes• DHCP Option 82Yes• DHCP Option 83Yes• DHCP Option 84Yes• DHCP Option 85Yes• DHCP Option 86Yes• DHCP Option 87Yes• Optamic IP routing IPv6Yes• Optamic IP routing IPv6Yes• Static IP routing IPv6Yes• Optamic IP routing IPv6Yes• NPRP for IPv6Yes• NPRP for IPv6Yes• NPRP for IPv6Yes• NPRP for IPv6 <t< td=""><td></td><td></td></t<>		
product functions / VLAN           orVLAN-port based           vLAN-protocol-based           vLAN-protocol-based           vLAN dynamic           vLAN dynamic           vLAN dynamic           vLAN dynamic           vLAN dynamic           vLAN dynamic           ves           vLAN dynamic           number of VLANs - dynamic / maximum           product functions / DHCP           product functions / DHCP           product functions / DHCP           product functions / DHCP           ordure functions / DHCP option 82           ves           product function           • static IP routing           ves           ves           ves           ves           ves           ves           ves           ves           ves <t< td=""><td></td><td></td></t<>		
product function     Yes       • VLAN - portbased     Yes       • VLAN - protochbased     Yes       • ULAN - grannic / maximum     285       number of VLANs - grannic / maximum     285       protocol / is supported / GVRP     Yes       product functions / DHCP     Yes       • DHCP Option 82     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product function     -       • static IP routing     Yes       • optionel for lowing     Yes       • optionel Prouting IPv6     Yes       • optionel IP routing IPv6     Yes       • optionel IP routing IPv6     Yes       • optionel IP routing IPv6     Yes       • Static IP routing IPv6     Yes       • optionel IP routing IPv6     Yes       • Static IP routing IPv6     Yes       • Static IP routing IPv6     Yes       • optionel IP routing IPv6     Yes       • RIPv2     Yes       • RIPv2     Yes       • NERK for IPv6     Yes       • VERR for IPv6 </td <td></td> <td></td>		
• VLAN - port basedYes• VLAN - protocol-basedYes• VLAN - InvasionYes• VLAN dynamicYes• VLAN dynamicZ55protocol / is supported / GVRPYesproduct functions / DHCPYesproduct functions / DHCPYesproduct functions / DHCP Option 82Yes• DHCP Option 87Yes• Static IP routing / noteIP routing integratedproduct functionYes• static IP routing Pu6Yes• static IP routing Pu6Yes• dynamic IP routing Pu6Yes• dynamic IP routing IPu6Yes• Static IP routing IPu6Yes <t< td=""><td></td><td></td></t<>		
• VLAN - protocol-basedYes• VLAN - IP-basedYes• VLAN of yamicYesnumber of VLANs - dynamic / maximum255protocol / supported / GVRPYesprotocol / supported / GVRPYesprotocol / naximum255protocol / supported / GVRPYesprotocol / supported / GVRPYesprotocol / supported / GVRPYesprotocol / supported / GVRPYes• DHCP Option 62Yes• DHCP Option 66Yes• DHCP Option 67Yes• DHCP Option 67Yes• DHCP Option 67Yes• Static IP routing / noteIP routing integratedproduct functionYes• static IP routing / NoteYes• dynamic IP routingYes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• Static IP routing IPV6Yes		Vec
• VLAN - IP-basedYes• VLAN dynamicYesnumber of VLANs / maximum255number of VLANs - dynamic / maximum255prodout functionYes• DHCP Option 1/ DEPYes• DHCP Option 68Yes• DHCP Option 68Yes• DHCP Option 7Yes• DHCP Option 7Yes• DHCP Option 7Yes• DHCP Option 7Yes• DHCP Option 82Yes• DHCP Option 7Yes• DHCP Option 7Yes• Static IP routingYes• static IP routing IPv6Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• Static IP routing IPv6Yes• Option 1Pv6Yes• VRRP for IPv6Yes• High Speed Redundancy Protocol (HRP)Yes• High Speed redundancy protocol (HRP) with redundancy redundancyYes• High Speed redundancy protocol (HRP) with redundancy redundancyYes• High Speed redundancy Protocol (HRP) with redundancy managerYes• High Speed redundancy Protocol (HRP) with redundancy mana	-	
• VLAN gynamicYesnumber of VLANs / maximum255protocol / is supported / GVRPYesprotocol / is supported / GVRPYesproduct functions / DHCPYesproduct functions / DHCP clientYes• DHCP Option 82Yes• DHCP Option 77Yesproduct functions / nutingYes• DHCP Option 76Yesproduct functions / nutingYes• DHCP Option 77Yesproduct functions / nutingYes• DHCP Option 77Yesproduct functionYes• static IP routing IPv6Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv3 for IPv6Yes• RIPv3 for IPv6Yes• NRPv4 for IPv6Yes• VRRPYes• NRPv5 for IPv6Yes• VRRP for IPv6Yes• ring redundancyYes• ring redundancy protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy managerYes• Nedia Redundancy Protocol (MRP)Yes• high speed redundancy protocol (MRP) with redundancy managerYes• Nedia Redundancy Protocol (MRP) 		
number of VLANs / maximum     255       number of VLANs / maximum     255       protocol / is supported / GVRP     Yes       product functions     0HCP       in DHCP client     Yes       in DHCP Option 82     Yes       in DHCP Option 87     Yes       in DHCP Option 87     Yes       in Static IP routing     Yes       in Static IP routing / note     IP routing integrated       in Static IP routing IPv6     Yes		
number of VLANs - dynamic / maximum         255           protocol / is supported / GVRP         Yes           product functions / DHCP         product functions           • DHCP Option 82         Yes           • DHCP Option 66         Yes           • DHCP Option 67         Yes           product functions / routing         service / routing / note           service / routing / note         IP routing integrated           product functions         Yes           opduct functions / routing         Yes           product functions         Yes           product functions         Yes           static IP routing / note         IP routing integrated           protocol / is supported         Yes           • dynamic IP routing IPv6         Yes           otyper         Yes           otyper         Yes           opsPrv3 for IPv6         Yes           • URPR for IPv6         Yes           • VRRP for IPv6         Yes           • ring redundancy         Yes           product functions / routing IPv6         Yes           • ring redundancy         Yes           • ring redundancy protocol (HRP)         Yes           • high speed redundancy protocol (MRP)         Yes	· · · · · · · · · · · · · · · · · · ·	
protocol / is supported / GVRP         Yes           product functions / DHCP         ************************************		
product functions         product function           • DHCP olient         Yes           • DHCP option 82         Yes           • DHCP Option 66         Yes           • DHCP Option 67         Yes           product functions / routing         Yes           product function         IP routing integrated           product function         Yes           • static IP routing IPv6         Yes           • dynamic IP routing IPv6         Yes           • RIPv2         Yes           • OSPFv3 for IPv6         Yes           • OSPFv2         Yes           • VRPP         Yes           • VRPP for IPv6         Yes           product functions         Yes           • ring redundancy         Yes           product functions         Yes           • ring redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with redundancy redundancy protocol (HRP) with standby redundancy protocol (HRP) with standby redundancy protocol (MRP) with redundancy manager		
product function     Ves       • DHCP option 82     Yes       • DHCP Option 66     Yes       • DHCP Option 67     Yes       product functions / routing     IP routing integrated       product function     Yes       service / routing / note     IP routing integrated       product function     Yes       • static IP routing IPv6     Yes       • dynamic IP routing IPv6     Yes       • dynamic IP routing IPv6     Yes       • dynamic IP routing IPv6     Yes       • RIPv2     Yes       • RIPv2     Yes       • RIPv2     Yes       • OSPFv2     Yes       • SIPv5 for IPv6     Yes       • VRRP     Yes       • VRRP for IPv6     Yes       • VRRP for IPv6     Yes       • VRRP for IPv6     Yes       • Nigh Speed redundancy Protocol (HRP)     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       • high speed redundancy protocol (HRP) with redundancy manager     Yes       • high speed redundancy protocol (MRP-I)     Yes       • Product function     Yes       • high speed redundancy protocol (MRP)		Yes
• DHCP clientYes• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingIP routing integratedproduct functions / routing / noteIP routing integratedof is static IP routing iPv6Yes• static IP routing iPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• NIPv5 for IPv6Yes• OSPFv2Yes• OSPFv2 for IPv6Yes• VRRP for IPv6Yes• VRRPYes• VRRP for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes• NIPh Speed Redundancy Protocol (HRP)Yes• High Speed Redundancy Protocol (HRP) with redundancy managerYes• Nigh speed redundancy protocol (HRP) with redundancy managerYes• Nigh speed redundancy protocol (HRP) with redundancy managerYes• Nigh speed redundancy protocol (HRP) with standby e high speed redundancy protocol (HRP) with redundancy managerYes• Nigh speed redundancy protocol (MRP) managerYes• Nedia Redundancy protocol (MRP) managerYes• Media Redundancy Protocol (MRP-I)Yes• Medi		
• DHCP Option 82Yes• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingIP routing integratedproduct functionYes• static IP routing IPv6Yes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• gynamic IP routing IPv6Yes• gynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv2 for IPv6Yes• OSPFv3 for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes• NRPsYes• NRS is upported (IRP) with redundancyYes• Nigh speed redundancy protocol (HRP) with redundancyYes• high speed redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP) with redundancyYes• nedia redundancy Protocol (MRP) with redundancyYes• nedia redundancy Protocol (MRP) with redundancyYes• nedia redundancy Protocol (MRP-I)Yes• Nedia Redundancy Protocol (MRP-II)Yes	•	
• DHCP Option 66Yes• DHCP Option 67Yesproduct functions / routingIP routing integratedproduct functionIP routing integrated• static IP routingYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• RIPv2Yes• RIPv2Yes• RIPv3 for IPv6Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRP for IPv6Yes• VRRP for IPv6Yes• ring redundancyYes• ring redundancyYes• High Speed Redundancy protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• product functionYes• nedia redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP) with redundancy managerYes• nedia redundancy protocol (MRP) with redundancy managerYes• nedia redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP)Yes• nedia redundancy protocol (MRP) with redundancy managerYes• nedia redundancy protocol (MRP)Yes• nedia Redundancy Protocol (MRP-II)Yes• nedia Redundancy Protocol (MRP-III) <td>DHCP client</td> <td>Yes</td>	DHCP client	Yes
• DHCP Option 67       Yes         product functions / routing / note       IP routing integrated         product function       Yes         • static IP routing IPv6       Yes         • dynamic IP routing IPv6       Yes         • dynamic IP routing IPv6       Yes         • dynamic IP routing IPv6       Yes         • RIPv2       Yes         • RIPv2       Yes         • RIPv2       Yes         • OSPFv2       Yes         • OSPFv2       Yes         • NRP for IPv6       Yes         • VRRP       Yes         • NRP for IPv6       Yes         • Inigh speed redundancy Protocol (HRP)       Yes         • Nigh speed redundancy Protocol (HRP) with redundancy       Yes         • Nigh speed redundancy protocol (MRP) with redundancy		
product functions / routing         IP routing integrated           product function         IP routing integrated           e static IP routing IPv6         Yes           • static IP routing IPv6         Yes           • dynamic IP routing IPv6         Yes           • RIPv2         Yes           • RIPv2         Yes           • RIPv2 for IPv6         Yes           • OSPFv2         Yes           • OSPFv2 for IPv6         Yes           • VRRP for IPv6         Yes           • VRRP for IPv6         Yes           • VRRP for IPv6         Yes           product function         Yes           • ing redundancy Protocol (HRP)         Yes           • high speed redundancy protocol (HRP) with redundancy         Yes           • high speed redundancy protocol (HRP) with standby         Yes           product function         Yes           • high speed redundancy protocol (MRP) with redundancy         Yes           product function         Yes           • high speed redundancy protocol (MRP) wi		Yes
service / routing / note     IP routing integrated       product function     Yes       • static IP routing IPv6     Yes       • dynamic IP routing IPv6     Yes       • OSPFv2     Yes       • OSPFv3 for IPv6     Yes       • VRRP     Yes       • VRRP     Yes       • VRRP for IPv6     Yes       product function     Yes       • High Speed Redundancy     Yes       • High Speed Redundancy protocol (HRP)     Yes       • high speed redundancy protocol (HRP) with redundancy     Yes       • high speed redundancy protocol (HRP) with redundancy     Yes       • high speed redundancy protocol (HRP) with redundancy     Yes       • high speed redundancy protocol (HRP) with redundancy     Yes       • high speed redundancy protocol (MRP)     Yes       product function     Yes       • high speed redundancy protocol (MRP)     Yes       • high speed redundancy protocol (MRP)     Yes       • high speed redundancy protocol (MRP)     Yes       • media redundancy protocol (MRP) with redundancy     Yes		
product function       Yes         • static IP routing IPv6       Yes         • static IP routing IPv6       Yes         • dynamic IP routing IPv6       Yes         • dynamic IP routing IPv6       Yes         • dynamic IP routing IPv6       Yes         protocol / is supported       -         • RIPv2       Yes         • RIPv5       Yes         • OSPFv2       Yes         • OSPFv3 for IPv6       Yes         • VRRP       Yes         • VRRP for IPv6       Yes         • Inigh Speed Redundancy       Yes         • High Speed Redundancy Protocol (HRP)       Yes         • high speed redundancy protocol (HRP) with redundancy       Yes         • high speed redundancy protocol (HRP) with standby redundancy       Yes         • product function       Yes         • media redundancy protocol (MRP) with redundancy maager       Yes         • media redundancy protocol (MRP) with redundancy maager       Yes         • Media Redundancy Protocol (MRP) with redundancy maager       Yes         • Media Redundancy Protocol (MRP) with redundancy maager       Yes	DHCP Option 66	Yes
• static IP routingYes• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yesprotocol / is supportedYes• RIPv2Yes• RIPv3Yes• OSPFv2Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes• Voting redundancyYes• Nigh Speed redundancy Protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (HRP) with standby redundancyYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (HRP) with standby redundancyYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high aredundancy protocol (MRP) managerYes• Media Redundancy Protocol (MRP)Yes• Media Redundancy Protocol (MRP)Yes• Medi	DHCP Option 66     DHCP Option 67	Yes
• static IP routing IPv6Yes• dynamic IP routing IPv6Yes• dynamic IP routing IPv6Yes• rotocol / is supportedYes• RIPv2Yes• RIPv3Yes• OSPFv3 for IPv6Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yes• Inig redundancyYes• high speed redundancy Protocol (HRP) with redundancy maagerYes• high speed redundancy protocol (HRP) with redundancy maagerYes• high speed redundancy protocol (MRP) managerYes• high speed redundancy protocol (MRP) managerYes• high speed redundancy protocol (MRP) with redundancy managerYes• high speed redundancy protocol (MRP) managerYes• high speed redundancy protocol (MRP) managerYes• high speed redundancy protocol (MRP) with redundancy managerYes• high speed redundancy protocol (MRP) managerYes• high sp	DHCP Option 66     DHCP Option 67 product functions / routing	Yes Yes
odynamic IP routingYesodynamic IP routing IPv6Yesprotocol / is supportedRIPv2YesoSPFv2YesoSPFv2YesoSPFv3 for IPv6YesvRRPYesvRRP for IPv6YesvRRP for IPv6YesvRRP for IPv6YesvRRP for IPv6Yesproduct functionYesproduct functionYesring redundancyYeshigh Speed Redundancy Protocol (HRP)Yeshigh speed redundancy protocol (HRP) with redundancy managerYesproduct functionYesprotocol / is supported / Media Redundancy Protocol (MRP)Yesproduct functionYesprotocol / is supported / Media Redundancy Protocol (MRP)Yesproduct functionYesproduct functionYesproduct functionYeshigh speed redundancy protocol (HRP) with redundancy managerYesproduct functionYesproduct functionYes<	DHCP Option 66     DHCP Option 67  product functions / routing service / routing / note	Yes Yes
• dynamic IP routing IPv6Yesprotocol / is supported//////////////////////////////	DHCP Option 66     DHCP Option 67  product functions / routing service / routing / note product function	Yes Yes IP routing integrated
protocol / is supported         RIPv2       Yes         RIPnG for IPv6       Yes         • OSPFv2       Yes         • OSPFv3 for IPv6       Yes         • VRRP       Yes         • VRRP for IPv6       Yes         • VRRP for IPv6       Yes         product function       Yes         • ring redundancy       Yes         • High Speed Redundancy Protocol (HRP)       Yes         • high speed redundancy protocol (HRP) with redundancy       Yes         • high speed redundancy protocol (HRP) with redundancy       Yes         protocol / is supported / Media Redundancy Protocol (MRP)       Yes         product function       Yes         • high speed redundancy protocol (MRP)       Yes         • hogh speed redundancy protocol (MRP)       Yes         product function       Yes         • high speed redundancy protocol (MRP)       Yes         • high speed redundancy protocol (MRP)       Yes         product function       Yes         • high speed redundancy protocol (MRP)       Yes         product function       Yes         • Media Redundancy protocol (MRP) with redundancy       Yes         • Media Redundancy Protocol Interconnection (MRP-I)       Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing	Yes Yes IP routing integrated Yes
RIPv2YesRIPnG for IPv6YesOSPFv2YesOSPFv3 for IPv6YesVRRPYesVRRP for IPv6Yesproduct functions / redundancyYesproduct functionYesin ring redundancyYesProduct functionYesin ring redundancy Protocol (HRP)Yesin high speed redundancy protocol (HRP) with redundancy managerYesproduct functionYesin high speed redundancy protocol (HRP) with redundancy managerYesin high speed redundancy protocol (HRP) with redundancy managerYesin media redundancy protocol (MRP) with redundancy managerYesin media redundancy protocol (MRP) with redundancy managerYesin Media Redundancy Protocol (MRP-i)Yesin Media Redundancy Protocol (MRP-i)Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6	Yes Yes IP routing integrated Yes Yes
• RIPnG for IPv6Yes• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yesproduct functions / redundancyYesproduct functionYes• ring redundancyYes• High Speed Redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (MRP) with redundancy redundancyYes• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol Interconnection (MRP-I)Yes	DHCP Option 66     DHCP Option 67      product functions / routing      service / routing / note      product function         • static IP routing         • static IP routing IPv6         • dynamic IP routing	Yes Yes IP routing integrated Yes Yes Yes
• OSPFv2Yes• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yesproduct functions / redundancyYesproduct functionYes• ring redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• protocol / is supported / Media Redundancy Protocol (MRP)Yes• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy protocol (MRP)Yes• Media Redundancy protocol (MRP) with redundancy managerYes• Media Redundancy protocol (MRP)Yes• Media Redundancy Protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP) With redundancy managerYes• Media Redundancy Protocol (MRP) With redundancy managerYes• Media Redundancy Protocol (MRP)Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6      dynamic IP routing IPv6	Yes Yes IP routing integrated Yes Yes Yes
• OSPFv3 for IPv6Yes• VRRPYes• VRRP for IPv6Yesproduct functions / redundancyYesproduct functionYes• ring redundancyYes• High Speed Redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy maagerYes• product functionYes• protocol / is supported / Media Redundancy Protocol (MRP)Yes• media redundancy protocol (MRP) with redundancy media redundancy protocol (MRP) with redundancyYes• Media Redundancy Protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP-II)Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6  protocol / is supported	Yes Yes IP routing integrated Yes Yes Yes Yes
• VRRPYes• VRRP for IPv6Yesproduct functions / redundancyYesproduct functionYes• ring redundancyYes• High Speed Redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• protocol / is supported / Media Redundancy Protocol (MRP)Yes• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP)-I)Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing      dynamic IP routing IPv6  protocol / is supported      RIPv2	Yes Yes IP routing integrated Yes Yes Yes Yes
• VRRPYes• VRRP for IPv6Yesproduct functions / redundancyYesproduct functionYes• ring redundancyYes• High Speed Redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• protocol / is supported / Media Redundancy Protocol (MRP)Yes• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP)-I)Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6  protocol / is supported      RIPv2      RIPnG for IPv6	Yes Yes IP routing integrated Yes Yes Yes Yes Yes
• VRRP for IPv6Yesproduct functions / redundancyYesproduct functionYes• ring redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with redundancy redundancyYes• high speed redundancy protocol (HRP) with standby redundancyYesprotocol / is supported / Media Redundancy Protocol (MRP)Yesproduct functionYes• media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP)Yes• Media Redundancy Protocol Interconnection (MRP-I)Yes	DHCP Option 66     DHCP Option 67      product functions / routing      service / routing / note      product function         • static IP routing         • static IP routing IPv6         • dynamic IP routing IPv6         • dynamic IP routing IPv6      protocol / is supported         • RIPv2         • RIPnG for IPv6         • OSPFv2	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes
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       Yes         • protocol / is supported / Media Redundancy Protocol (MRP)       Yes         product function       Yes         • media redundancy protocol (MRP) with redundancy manager       Yes         • Media Redundancy Protocol (MRP) with redundancy manager       Yes         • Media Redundancy Protocol (MRP) with redundancy manager       Yes         • Media Redundancy Protocol (MRP) with redundancy manager       Yes         • Media Redundancy Protocol (MRP) with redundancy manager       Yes         • Media Redundancy Protocol Interconnection (MRP-I)       Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6  protocol / is supported      RIPv2      RIPnG for IPv6      OSPFv2      OSPFv3 for IPv6	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes
product function <ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>Yes</li> <li>high speed redundancy protocol (HRP) with redundancy</li> <li>redundancy protocol (HRP) with redundancy</li> <li>Yes</li> </ul> • high speed redundancy protocol (HRP) with redundancy <li>redundancy</li> <li>Yes</li> • high speed redundancy protocol (HRP) with standby         Yes           protocol / is supported / Media Redundancy Protocol (MRP)         Yes           product function             • media redundancy protocol (MRP) with redundancy         Yes           • Media Redundancy Protocol Interconnection (MRP-I)         Yes	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6  protocol / is supported      RIPv2      RIPnG for IPv6      OSPFv2      OSPFv3 for IPv6      VRRP	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes
• ring redundancyYes• High Speed Redundancy Protocol (HRP)Yes• high speed redundancy protocol (HRP) with redundancy managerYes• high speed redundancy protocol (HRP) with standby redundancyYes• protocol / is supported / Media Redundancy Protocol (MRP)Yes• product function • media redundancy protocol (MRP) with redundancy managerYes• Media Redundancy Protocol (MRP) with redundancy managerYes• Media Redundancy protocol (MRP) with redundancy managerYes	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>protocol / is supported</li> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul>	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>High Speed Redundancy Protocol (HRP)</li> <li>High Speed redundancy protocol (HRP) with redundancy</li> <li>high speed redundancy protocol (HRP) with redundancy</li> <li>high speed redundancy protocol (HRP) with standby</li> <li>redundancy</li> <li>protocol / is supported / Media Redundancy Protocol (MRP)</li> <li>Yes</li> <li>product function</li> <li>media redundancy protocol (MRP) with redundancy</li> <li>Media Redundancy Protocol Interconnection (MRP-I)</li> <li>Yes</li> </ul>	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6  protocol / is supported      RIPv2      RIPnG for IPv6      OSPFv2      OSPFv3 for IPv6      VRRP      VRRP for IPv6  product functions / redundancy	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> <li>protocol / is supported / Media Redundancy Protocol (MRP)</li> <li>yes</li> <li>product function</li> <li>media redundancy protocol (MRP) with redundancy</li> <li>Media Redundancy Protocol Interconnection (MRP-I)</li> <li>Yes</li> </ul>	DHCP Option 66     DHCP Option 67  product functions / routing  service / routing / note  product function      static IP routing      static IP routing IPv6      dynamic IP routing IPv6  protocol / is supported      RIPv2      RIPnG for IPv6      OSPFv2      OSPFv3 for IPv6      VRRP      VRRP for IPv6  product functions / redundancy  product function	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes Yes 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 manager       Yes         • Media Redundancy Protocol Interconnection (MRP-I)       Yes	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>protocol / is supported</li> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product functions / redundancy product function <ul> <li>ring redundancy</li> </ul>	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
protocol / is supported / Media Redundancy Protocol (MRP)       Yes         product function       • media redundancy protocol (MRP) with redundancy manager         • Media Redundancy Protocol Interconnection (MRP-I)       Yes	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>protocol / is supported</li> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product functions / redundancy <ul> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with redundancy</li> </ul>	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
product function       • media redundancy protocol (MRP) with redundancy       Yes         • Media Redundancy Protocol Interconnection (MRP-I)       Yes	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing service / routing / note product function <ul> <li>static IP routing</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> </ul> protocol / is supported <ul> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product function <ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with standby</li> </ul>	Yes Yes IP routing integrated Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
• media redundancy protocol (MRP) with redundancy manager      • Media Redundancy Protocol Interconnection (MRP-I) Yes	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>dynamic IP routing IPv6</li> </ul> protocol / is supported <ul> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product functions / redundancy <ul> <li>product function</li> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes Yes
Media Redundancy Protocol Interconnection (MRP-I)     Yes	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>protocol / is supported</li> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product function <ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> <li>protocol / is supported / Media Redundancy Protocol (MRP)</li> </ul>	Yes Yes
	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>protocol / is supported</li> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product function <ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy Protocol (MRP)</li> </ul>	Yes Yes IP routing integrated Yes
	<ul> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul> product functions / routing <ul> <li>service / routing / note</li> <li>product function</li> <li>static IP routing</li> <li>static IP routing IPv6</li> <li>dynamic IP routing IPv6</li> <li>protocol / is supported</li> <li>RIPv2</li> <li>RIPnG for IPv6</li> <li>OSPFv2</li> <li>OSPFv3 for IPv6</li> <li>VRRP</li> <li>VRRP for IPv6</li> </ul> product function <ul> <li>ring redundancy</li> <li>High Speed Redundancy Protocol (HRP)</li> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy Protocol (MRP) with redundancy manager</li> </ul>	Yes Yes IP routing integrated Yes

	N.
redundancy procedure RSTP	Yes
<ul> <li>redundancy procedure RSTP+</li> </ul>	Yes
<ul> <li>redundancy procedure MSTP</li> </ul>	Yes
passive listening	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
product function	
ACL - MAC-based	Yes
<ul> <li>ACL - port/MAC-based</li> </ul>	Yes
IEEE 802.1x (radius)	Yes
<ul> <li>broadcast/multicast/unicast limiter</li> </ul>	Yes
<ul> <li>broadcast blocking</li> </ul>	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	UL 60950-1; CSA C22.2 No. 213-M1987
for emitted interference	EN 61000-6-4 (Class A)
for interference immunity	EN 61000-6-2
reference code	
<ul> <li>according to IEC 81346-2</li> </ul>	KF
<ul> <li>according to IEC 81346-2:2019</li> </ul>	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	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
Korean Register of Shipping (KRS)	Yes
Lloyds Register of Shipping (LRS)	Yes
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	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
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	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, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-

the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly

undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6)

Approvals / Certificates					
General Product Ap- proval	EMC	Declaration of Conformity			Marine / Shipping
Manufacturer Declara- tion	RCM	<u>Manufacturer Declara-</u> <u>tion</u>	CE EG-Konf.	UK CA	ABS
Marine / Shipping					
BUREAU VERITAS	Hoyd's Register us	<u>NK / Nippon Kaiji Ky-</u> <u>okai</u>	PRS	RINA	DNV-GL
Marine / Shipping	other	Environment			
	PROFINET-Certifica- tion	000			
last modified:		9/22/202	23 🖸		