## SIEMENS

## Data sheet

## 6GK5324-0BA00-2AR3

SCALANCE XR324WG; managed IE switch; 19" rack; 24 x 10/100 Mbps electrical ports; LED diagnostics; reset button; console port; PROFINET device; IEC 62443-4-2 certified network management function; redundancy manager; power supply 24 V DC;



product type designation	SCALANCE XR324 WG
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	24; RJ45
number of 10/100 Mbit/s RJ45 ports / integrated	24
interfaces / other	
number of electrical connections	
<ul> <li>for operator console</li> </ul>	1
<ul> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul> <li>for power supply</li> </ul>	2 x 2-pin terminal block
supply voltage, current consumption, power loss	
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	DC
<ul> <li>supply voltage / 1 / rated value</li> </ul>	24 V
<ul> <li>power loss [W] / 1 / rated value</li> </ul>	7.2 W
<ul> <li>supply voltage / 1 / rated value</li> </ul>	19.2 28.8 V
<ul> <li>consumed current / 1 / maximum</li> </ul>	0.3 A
<ul> <li>type of electrical connection / 1 / for power supply</li> </ul>	2 x 2-pole terminal block
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	0 60 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
during transport	-40 +85 °C
relative humidity	
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP30
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	127 mm

Internet         Project           Internet         Yes           Internet         Sontain           Internet         Yes           Interot         Yes	net weight	2.7 kg	
1-0-inch installation     Yes       3-35 mm top hat DIN rail mounting     No       • wail mounting     No       • S7-300 rail mounting     No       • S7-300 rail mounting     No       reconfiguration time of S+0-30-s     50       cascading in the case of a seturbant ing / at reconfiguration time of S+0-30-s     50       reconfiguration time of S+0-30-s     60       cascading in the case of a seturbant ing / at reconfiguration.     50       product functions / management.     Yes       • CLI     Yes       • Will support     Yes       • TRAP's wait enail     Yes       • configuration with STEP 7     Yes       • RMONN     Yes       • PROFINET IO diagnosis     Yes       • multipont innoring     Yes       • PROFINET IO diagnosis     Yes       • FIP     Yes       • Simpont     Yes       • FIP     Yes       • FIP     Yes       • SiMP V1     Yes	-		
• 35 mm top hat DIN rail mounting     No       • wall mounting     No       • S7-1500 rail mounting     No       • S7-1500 rail mounting     No       • Construct on the set of a redundant fing / at test of a redundant fing /	-	Yes	
• wall mounting         No           • S7-300 rail mounting         No           • S7-160 rail mounting         No           • cascading in the case of a redundant ring / at recording ration time of >0.3x-5         50           • cascading in cases of star topology         any (depending only on signal propagation time) <b>Product functions / management, configuration, engineering</b> Formation of the case of a redundant ring / at recording in a second star topology           • CLI         Yes           • web-based management         Yes           • TRAP's value rail         Yes           • onfiguration with STEP 7         Yes           • RMON         Yes           • nulliport mimoring         Yes           • nulliport mimoring         Yes           • PROFINET IO diagnosis         Yes           • PROFINET IO diagnosis         Yes           • protocol / is supported         Yes           • relatet         Yes           • protocol / is supported         Yes           • TFIP         Yes           • PROFINET IO diagnosis         Yes           • protocol / is supported         Yes           • Telest         Yes           • HTTPS         Yes           • BOOTP         Yes <td></td> <td></td>			
• S7-300 rail mounting     No       • S7-1500 rail mounting     No <b>product fourcions, product components / general</b> 50       cascading in the case of a redundant ring / at reconfiguration time of <-0.3 M-s			
• S7-150 rail mounting     No       product features, product functions, product components / general     50       cescading in the case of ar redundant ring / at reconfiguration time of <-0.3~s	-		
product features, product functions, product components / general         50           cascading in the case of a redundant ting / at reconfiguration time of <-0.3~s	-		
cesseding in the case of a redundant ting / at reconfiguration time of <-0.3-s	-		
recordiguration time of <0.3s			
product functions / management, configuration, engineering            • OLL         • exet-based management         • Ves         • web-based management         • Yes         • WB support         • REAPS via email         Yes         • configuration with STEP 7         • RMON         • configuration with STEP 7         • RMON         • or of mirroring         • Yes         • multiport mirroring         • Yes         • RMON         • CoS         • PROFINET To diagnosis         Yes         • PROFINET To diagnosis         Yes         • PROFINET to diagnosis         Yes         • PROFINET conformity class         B         retwork load class / acc. to PROFINET         2         product function / switch-managed         Yes         • TFTP         • FIP         • FIP         • FIP         • ETP         • BOOTP         • CP         • CMRP         • DCP         • ULDP         • SINMP v1         • SINMP v1         • SINMP v2         • SIMMP v1         • SIMMP v2         • SIMMP v2         • SIMMP v2         • SIMMP v3         • SIMMP v3         • SIMMP v3         • SIMMP v2         • SIMMP v3         • SIMMP v2         • SIMMP v3         • SIMMP v2         • SIMMP v3         • SIMMP v3         • SIMMP v3         • SIMMP v3         • SIMMP v2         • SIMMP v3         • SIMMP v2         • SIMMP v3         • SIMMP v2         • SIMMP v2         • SIMMP v3			
product function     Yes       • CLI     Yes       • web-based management     Yes       • MB support     Yes       • TRAPs via email     Yes       • onofiguration with STEP 7     Yes       • RMON     Yes       • port mirroring     Yes       • multiport mirroring     No       • COS     Yes       • PROFINET IO diagnosis     Yes       PROFINET conformity class     B       network load class / ace. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • Telnet     Yes       • HTTPS     Yes       • TFTP     Yes       • BOOTP     Yes       • BOOTP     Yes       • GMRP     No       • DCP     Yes       • SIMMP v1     Yes       • SIMMP v2     Yes       • SIMMP v3     Yes       • SIMMP v4     Yes       • SIMMP v3     Yes       • ILDP     Yes       • SIMMP v3     Yes       • SIMMP v4     Yes       • SIMMP v3     Yes       • SIMMP v4     Yes       • SIMMP v3     Yes       • ILM1 - higher level designation/location designation	cascading in cases of star topology	any (depending only on signal propagation time)	
• CLI     Yes       • web-based management     Yes       • IIB support     Yes       • TRAPs via email     Yes       • configuration with STEP 7     Yes       • RNON     Yes       • port mirroring     Yes       • nultiport mirroring     Yes       • CoS     Yes       • PROFINET IO diagnosis     Yes       • PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • TFTP     Yes       • HTTPS     Yes       • HTTP     Yes       • TFTP     Yes       • BOOTP     Yes       • CCP     Yes       • SOMP v3     Yes       • ICMP     Yes       • ISMM Pv1     Yes       • ISMM Pv2     Yes       • IGMP (snooping/querier)     Yes       • ISMM Pv3     Yes       • ISMM Pv3     Yes       • ISMM - device-specific information     Yes       • ISMM - ingine stics     Yes       • ISMM - ingine stics     Yes       • ISMM - ingine stics     Yes       • ISMM Pv3     Yes       • ISMM - device-specific information     Yes	product functions / management, configuration, engineeri	ing	
• web-based management     Yes       • NHS support     Yes       • RRAPs via email     Yes       • configuration with STEP 7     Yes       • RNON     Yes       • port mirroring     Yes       • untilport mirroring     No       • CoS     Yes       • PROFINET I or dignosis     Yes       • PROFINET conformity class     B       network load class / acc. to PROFINET     2       protocol / is supported     Yes       • Telnet     Yes       • TETP     Yes       • TFTP     Yes       • FTP     Yes       • TFTP     Yes       • GMRP     No       • OCP     Yes       • SNMP V1     Yes       • SNMP V3     Yes       • SNMP V3     Yes       • SNMP V3     Yes       • BMO - device-specific information     Yes       • Mort function / usignostics     Yes       • Mort function / ves     Yes       • Statistics Packet Size     Yes       • Product function     Yes       • statistics Packet Size	product function		
• MIB support     Yes       • TRAPs via email     Yes       • configuration with STEP 7     Yes       • port mirroring     Yes       • port mirroring     Yes       • nultiport mirroring     Yes       • CoS     Yes       • PROFINET Lordingnosis     Yes       PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • FTP     Yes       • Infinit     Yes       • FTP     Yes       • FTP     Yes       • FTP     Yes       • BOOTP     Yes       • BOOTP     Yes       • SOMP V1     Yes       • SNMP V2     Yes       • SNMP V3     Yes       • SNMP V4     Yes       • SNMP V3     Yes       • Identification / amaintenance function     Yes       • Identifications / amaintenance function     Yes	• CLI	Yes	
• TRAPs via email     Yes       • configuration with STEP 7     Yes       • RMON     Yes       • port mirroring     No       • CoS     Yes       • PROFINET IO diagnosis     Yes       PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • TFTP     Yes       • HTTPS     Yes       • HTTP     Yes       • HTTP     Yes       • FTP     Yes       • GMRP     No       • CCP     Yes       • BOOTP     Yes       • GMRP     No       • DCP     Yes       • SNMP v1     Yes       • SNMP v2     Yes       • SNMP v3     Yes       • GMRP (anopping/querier)     Yes       identification & maintenance function     Yes       • Identification & function/location designation	<ul> <li>web-based management</li> </ul>	Yes	
• configuration with STEP 7     Yes       • RN/ON     Yes       • port mirroring     Yes       • multiport mirroring     No       • CoS     Yes       • PROFINET IO diagnosis     Yes       PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • Teinet     Yes       • HTTP S     Yes       • HTTP Yes     Yes       • FIP     Yes       • BOOTP     Yes       • BOOTP     Yes       • BOOTP     Yes       • BOOTP     Yes       • BOWR V2     Yes       • SNMP V1     Yes       • SNMP v2     Yes       • SNMP v3     Yes       • ISMP (snooping/querier)     Yes       identification & maintenance function     Yes       • ISMP (snooping/querier)     Yes       • ISMP (snooping/querier)     Yes       product function     Yes       • ISMI – higher level designation/incation designation     Yes       • ISMI – higher level designation/incation designation     Yes       • ISMI – higher level designation/incation designation     Yes       • Statistics Packet Size     Yes <td>MIB support</td> <td>Yes</td>	MIB support	Yes	
• RMON     Yes       • port mirroring     Yes       • multiport mirroring     No       • CoS     Yes       • PROFINET ID diagnosis     Yes       PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • Telnet     Yes       • HTTP     Yes       • HTTP     Yes       • HTTP     Yes       • FFP     Yes       • BOOTP     Yes       • SMMP v1     Yes       • SNMP v2     Yes       • IGMP (snooping/querier)     Yes       identification & maintenance function     Yes       • IRMO - device-specific information     Yes       • IRMO - device-specific information     Yes       • IRMO - idiagnostics     Yes       product function / diagnostics     Yes       • statistics Packet Size     Yes       • statistics Packet Size     Yes       • statistics Packet Size     Yes       • statistics     Yes       • statistics     Yes       • statis	<ul> <li>TRAPs via email</li> </ul>	Yes	
<ul> <li>port mirroring</li> <li>ves</li> <li>multiport mirroring</li> <li>No</li> <li>CoS</li> <li>Ves</li> <li>PROFINET IO diagnosis</li> <li>Yes</li> <li>PROFINET conformity class</li> <li>B</li> <li>network load class / acc. to PROFINET</li> <li>2</li> <li>product function / switch-managed</li> <li>Yes</li> <li>protocol / is supported</li> <li>Telnet</li> <li>Yes</li> <li>HTTP</li> <li>HTTP</li> <li>Yes</li> <li>TFTP</li> <li>GMRP</li> <li>GMRP</li> <li>OCP</li> <li>SNMP v1</li> <li>Yes</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>Yes</li> <li>IGMP (snooping/querier)</li> <li>Yes</li> <li>Identification &amp; maintenance function</li> <li>I&amp;M1 - higher level designation/location designation</li> <li>Yes</li> <li>statistics Packet Size</li> <li>Yes</li> <li>yes</li> <li>yes</li> <li>tatistics packet type</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Statistics Packet Size</li> <li>Yes</li> </ul>	<ul> <li>configuration with STEP 7</li> </ul>	Yes	
• multiport mirroring     No       • CoS     Yes       • PROFINET IO diagnosis     Yes       PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       product function / supported     Yes       • Tellnet     Yes       • HTTP     Yes       • HTTPS     Yes       • FTP     Yes       • BOOTP     Yes       • BOOTP     Yes       • BOOTP     Yes       • SMRP     No       • DCP     Yes       • SIMP v1     Yes       • SIMP v2     Yes       • IGMP (snooping/querier)     Yes       • IGMP (snooping/querier)     Yes       • Identification & maintenance function     Yes       • ISMMP v3     Yes       • IGMP (snooping/querier)     Yes       • IGMP isoported     Yes       • Identification & maintenance function     Yes       • Isitistics packet Size     Yes       • statistics packet type     Yes       • statistics packet Size     Yes       • statistics packet type     Yes       • statistics packet type     Yes       • statistics packet type     Yes       • statistics packet type <td< td=""><td>RMON</td><td>Yes</td></td<>	RMON	Yes	
CoS     PROFINET ID diagnosis     PROFINET ID diagnosis     PROFINET Conformity class     B     network load class / acc. to PROFINET     2     product function / switch-managed     Yes     protocol / is supported         Telnet         Yes         HTTP         Yes         HTTPS         Yes         HTTPS         Yes         FTP         Yes         SOOTP         Yes         SOOTP         Yes         SOOTP         Yes         SNMP v1         Yes         SNMP v2         SNMP v3         Yes         SNMP v2         SNMP v3         Yes         SNMP v3         SNMP v3         Yes         SNMP v3         SNMP v3         SNMP v3         SNMP v4         SNMP v4         SNMP v3         SNMP v4         SNMP v3         Yes         Statistics Packet Size         yes         statistics Packet Size         Yes         Yes         Yes         Yes         Statistics Packet Size         Yes         Yes	<ul> <li>port mirroring</li> </ul>	Yes	
• PROFINET IO diagnosis     Yes       PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • Telnet     Yes       • HTTP     Yes       • HTTPS     Yes       • FTP     Yes       • BOOTP     Yes       • SNMP V1     Yes       • SNMP v1     Yes       • SNMP v2     Yes       • ILDP     Yes       • ICMP (snooping/querier)     Yes       identification & maintenance function     Yes       • I&MO - device-specific information     Yes       product functions     Yes       istalistics Packet Size     Yes       • statistics Packet Size     Yes       • statistics Packet Size     Yes       • error statistics	<ul> <li>multiport mirroring</li> </ul>	No	
PROFINET conformity class     B       network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • Telnet     Yes       • HTTP     Yes       • HTTP     Yes       • TFIP     Yes       • FTP     Yes       • BOOTP     Yes       • GMRP     No       • DCP     Yes       • SNMP v1     Yes       • SNMP v2     Yes       • IGMP (snooping/querier)     Yes       Identification & maintenance function     Yes       • I&MD - device-specific information     Yes       product function     Yes       • product functions     Yes       • statistics Packet Size     Yes       • statistics packet type     Yes       • statistics packet type     Yes       • error statistics     Yes       • error statistics     Yes       • statistics packet type     Yes       • error statistics     Yes       • error statistics     Yes       • statistics packet type     Yes       • statistics packet type     Yes       • statistics packet type     Yes       • statistics     Yes       • statistics     Yes   <	• CoS	Yes	
network load class / acc. to PROFINET     2       product function / switch-managed     Yes       protocol / is supported     Yes       • Telnet     Yes       • HTTP     Yes       • HTTPS     Yes       • HTTPS     Yes       • FTP     Yes       • BOOTP     Yes       • GMRP     No       • DCP     Yes       • SNMP v1     Yes       • SNMP v2     Yes       • IGMP (snooping/querier)     Yes       • I&MO - device-specific information     Yes       • I&MO - device-specific information     Yes       • IBM1 - higher level designation/location designation     Yes       • product functions     Yes       • statistics packet Size     Yes       • statistics packet Size     Yes       • statistics packet Size     Yes       • error statistics     Yes       • error statistics     Yes       • error statistics     Yes       • Statistics packet type     Yes       • error statistics     Yes       • statistics packet type     Yes       • systage     Yes	<ul> <li>PROFINET IO diagnosis</li> </ul>	Yes	
product function / switch-managed     Yes       protocol / is supported     Yes       • HTTP     Yes       • HTTP     Yes       • HTTPS     Yes       • TFTP     Yes       • FTP     Yes       • BOOTP     Yes       • SNMP v1     Yes       • SNMP v2     Yes       • SNMP v3     Yes       • IGMP (snooping/querier)     Yes       identification & maintenance function     Yes       • I&M1 - higher level designation/location designation     Yes       product function     Yes       • statistics packet Size     Yes       • statistics packet Size     Yes       • statistics packet Size     Yes       • error statistics     Yes       • statistics packet type     Yes       • SysLog     Yes       • SysLog     Yes	PROFINET conformity class	В	
protocol / is supported         • Telnet       Yes         • HTTP       Yes         • HTTPS       Yes         • HTTPS       Yes         • FTP       Yes         • BOOTP       Yes         • GMRP       No         • DCP       Yes         • SIMP v1       Yes         • SIMP v2       Yes         • SIMP v3       Yes         • IGMP (snooping/querier)       Yes         identification & maintenance function       Yes         • I&MM - higher level designation/location designation       Yes         product function       Yes         • statistics packet Size       Yes         • statistics packet type       Yes         • statistics packet type       Yes         • statistics packet type       Yes         • SysLog       Yes         • SysLog       Yes	network load class / acc. to PROFINET	2	
TelnetYes• HTTPYes• HTTPSYes• HTTPSYes• TFTPYes• FTPYes• BOOTPYes• GMRPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• IGMP (snooping/querier)Yes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functionYes• statistics Packet SizeYes• statistics packet typeYes• statistics packet typeYes• sysLogYes• SysLogYesproduct function / ULANYes	product function / switch-managed	Yes	
HTTPYesHTTPSYesFTFPYesFTPYesBOOTPYesGMRPNoDCPYesLLDPYesSNMP v1YesSNMP v2YesIGMP (snooping/querier)Yesidentification & maintenance functionYesi&M1 - higher level designation/location designationYesproduct functionYesstatistics Packet SizeYesestatistics packet typeYeserror statisticsYeserror statisticsYes <t< td=""><td>protocol / is supported</td><td></td></t<>	protocol / is supported		
• HTTPSYes• TFTPYes• FTPYes• BOOTPYes• GMRPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functionsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• SysLogYes• SysLogYes	Telnet	Yes	
• TFTPYes• FTPYes• BOOTPYes• GMRPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functionYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• SysLogYesproduct functions / VLANYes	• HTTP	Yes	
• FTP       Yes         • BOOTP       Yes         • GMRP       No         • DCP       Yes         • LLDP       Yes         • SNMP v1       Yes         • SNMP v2       Yes         • SNMP v3       Yes         • IGMP (snooping/querier)       Yes         • IGMP (snooping/querier)       Yes         • IGMP (snooping/querier)       Yes         • IdM - device-specific information       Yes         • I&M - higher level designation/location designation       Yes         product function       Yes         • I&M - chigher level designation/location designation       Yes         product function       Yes         • statistics Packet Size       Yes         • statistics packet type       Yes         • error statistics       Yes         • error statistics       Yes         • SysLog       Yes         product function / VLAN       Yes	• HTTPS	Yes	
BOOTPYesGMRPNoDCPYesLLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIGMP (snooping/querier)Yesidentification & maintenance functionYesIBM0 - device-specific informationYesIBM1 - higher level designation/location designationYesproduct functionsYesistatistics Packet SizeYesstatistics packet typeYeserror statisticsYesstatisticsYesstatisticsYesyskYeserror statisticsYessysLogYesproduct functions / VLANYes	• TFTP	Yes	
• GMRPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M0 - device-specific informationYesproduct functions / diagnosticsYesproduct functionYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• SysLogYesproduct functions / VLANYes	• FTP	Yes	
• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• SysLogYesproduct functions / VLANYes	• BOOTP	Yes	
LLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIGMP (snooping/querier)Yesidentification & maintenance functionYesikM0 - device-specific informationYesi&M1 - higher level designation/location designationYesproduct functions / diagnosticsYesport diagnosticsYesstatistics Packet SizeYeserror statisticsYeserror statisticsYessysLogYesproduct functions / VLANYes	• GMRP	No	
• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&MO - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• error statisticsYes• product functions / VLANYes		Yes	
• SNMP v2       Yes         • SNMP v3       Yes         • IGMP (snooping/querier)       Yes         identification & maintenance function       Yes         • I&M0 - device-specific information       Yes         • I&M1 - higher level designation/location designation       Yes         product functions / diagnostics       Yes         product function       Yes         • statistics Packet Size       Yes         • statistics packet type       Yes         • error statistics       Yes         • error statistics       Yes         • sysLog       Yes         product functions / VLAN       Yes	• LLDP	Yes	
• SNMP v3Yes• IGMP (snooping/querier)Yesidentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYes• port diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• gysLogYesproduct functions / VLANYes	• SNMP v1	Yes	
• IGMP (snooping/querier)Yesidentification & maintenance function• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYesproduct functionYes• port diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• SysLogYesproduct functions / VLANYes	• SNMP v2	Yes	
identification & maintenance function       Yes         • I&M0 - device-specific information       Yes         • I&M1 - higher level designation/location designation       Yes         product functions / diagnostics       Yes         • port diagnostics       Yes         • statistics Packet Size       Yes         • statistics packet type       Yes         • error statistics       Yes         • sysLog       Yes         product functions / VLAN       Yes	• SNMP v3	Yes	
• I&M0 - device-specific informationYes• I&M1 - higher level designation/location designationYesproduct functions / diagnosticsYesproduct function• port diagnosticsYes• statistics Packet SizeYes• statistics packet typeYes• error statisticsYes• sysLogYesproduct functions / VLANYes		Yes	
I&M1 – higher level designation/location designation      product functions / diagnostics      product function          port diagnostics          oprt diagnostics          statistics Packet Size          statistics packet type          error statistics          error statistics          SysLog      product functions / VLAN      Yes      Yes			
product functions / diagnostics         port diagnostics       Yes         • port diagnostics       Yes         • statistics Packet Size       Yes         • statistics packet type       Yes         • error statistics       Yes         • SysLog       Yes         product functions / VLAN       Yes			
product function     Yes       • port diagnostics     Yes       • statistics Packet Size     Yes       • statistics packet type     Yes       • error statistics     Yes       • SysLog     Yes       product functions / VLAN     Yes		Yes	
• port diagnostics     Yes       • statistics Packet Size     Yes       • statistics packet type     Yes       • error statistics     Yes       • error statistics     Yes       • SysLog     Yes			
	•		
• statistics packet type     Yes       • error statistics     Yes       • SysLog     Yes       product functions / VLAN     Yes			
error statistics Yes     SysLog Yes  product functions / VLAN			
• SysLog Yes product functions / VLAN			
product functions / VLAN			
		Yes	
product function			
	product function		
• VLAN - port based Yes	<ul> <li>VLAN - port based</li> </ul>	Yes	
VLAN - protocol-based     No	<ul> <li>VLAN - protocol-based</li> </ul>	No	
VLAN - IP-based No	<ul> <li>VLAN - IP-based</li> </ul>	No	
VLAN dynamic Yes	VLAN dynamic	Yes	
number of VLANs / maximum 257		257	
protocol / is supported / GVRP No	protocol / is supported / GVRP	No	

product functions / DHCP	
product function	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / redundancy	
product function	
<ul> <li>ring redundancy</li> </ul>	Yes
<ul> <li>High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>	Yes
<ul> <li>redundancy procedure STP</li> </ul>	Yes
<ul> <li>redundancy procedure RSTP</li> </ul>	Yes
<ul> <li>redundancy procedure MSTP</li> </ul>	No
<ul> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	Yes
<ul> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
passive listening	Yes
protocol / is supported	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• MSTP	No
<ul> <li>RSTP big network support</li> </ul>	Yes
• LACP	No
product functions / security	
product function	
ACL - MAC-based	Yes
<ul> <li>ACL - port/MAC-based</li> </ul>	Yes
<ul> <li>IEEE 802.1x (radius)</li> </ul>	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
IEEE 1588 profile default	No
standards, specifications, approvals	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2,
a for opfoby / from ODA and LU	Group IIC, T4
for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1, UL 61010-2-201
for emitted interference     for interference	EN 61000-6-4 (Class B)
for interference immunity IT security for industrial automation systems / according to IFC 02442 4 2:2010	EN 61000-6-2 Yes
IEC 62443-4-2:2019	50
MTBF	56 y

standards, specifications, approvals / CE		
certificate of suitability / CE marking	Yes	
standards, specifications, approvals / hazardous environments		
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X	
from CSA and UL	ANSI/ISA 12.12.01, CAN/CSA C22.2 No. 213-M1987	
certificate of suitability		
• ATEX	Yes; EN 60079-0, EN60079-15, Ex II 3 G Ex nA II T4 KEMA 07 ATEX 0145X	
• IECEx	Yes; IEC 60079-0, IEC 60079-15, IECEx DEK 14.0025X, Ex nA IIC T4 Gc	
CCC / for hazardous zone according to GB standard	Yes	
standards, specifications, approvals / other		
certificate of suitability		
• C-Tick	Yes	
<ul> <li>KC approval</li> </ul>	Yes	
<ul> <li>railway application in accordance with EN 50155</li> </ul>	No	
further information / internet-Links		
Internet-Link		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool	
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net	
<ul> <li>to website: Industry Mall</li> </ul>	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, 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 integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)	
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