SIEMENS

Data sheet

6GK5202-2BB00-2BA3



SCALANCE X202-2IRT managed IE IRT switch, 2x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, Error signaling contact with set button, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional

Product type designation	SCALANCE X202-2IRT
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
 for network components or terminal equipment 	2
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
Number of 100 Mbit/s SC ports	
• for multimode	0
Interfaces / other	
Number of electrical connections	
 for signaling contact 	1
 for power supply 	1
 for redundant voltage supply 	1
Type of electrical connection	
 for signaling contact 	2-pole terminal block
• for power supply	4-pole terminal block

design of the removable storage	
• C-PLUG	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 / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	18 V
• external / maximum	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.3 A
Power loss [W]	
• at DC / at 24 V	6 W
Ambient conditions	
Ambient temperature	
 during operation 	-40 +60 °C
 during storage 	-40 +70 °C
 during transport 	-40 +70 °C
Relative humidity	
 at 25 °C / without condensation / during 	95 %
operation / maximum	
Protection class IP	IP30
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
 35 mm DIN rail mounting 	Yes
wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No
Draduct factures are duct for effective and the	eponte / general
Product features, product functions, product comp Cascading in the case of a redundant ring / at	onents / general 50
Cascading in the case of a redundant hing / dt	00

r rouder realures, product runctions, product components / general	
Cascading in the case of a redundant ring / at	50
reconfiguration time of <\~0.3\~s	
Cascading in cases of star topology	any (depending only on signal propagation time)

Product function Yes • Web-based management Yes • Web-based management Yes • MB support Yes • TRAPs via email Yes • Configuration with STEP 7 Yes • Port mirroring No • multiport function / Switch-managed Yes PROCINET conformity class C Product function / Switch-managed Yes • Trainet Yes • HTTP Yes • HTTPS Yes • BOOTP No • DCP Yes • BOOTP No • DCP Yes • SNMP v1 Yes • SNMP v3 Yes Identification & maintenance function Yes • BMU1 - higher-level designation/location designation Yes • Statistics Packet Size </th <th>Product functions / management, configuration, eng</th> <th>gineering</th>	Product functions / management, configuration, eng	gineering	
•web-based managementYes•MB supportYes•TRAPs via emailYes•Configuration with STEP 7Yes•Poot mirroringNo•multiport mirroringNo•with IRT / PROFINET IO switchYes•PROFINET IO diagnosisYesPROFINET for diagnosisYesProtocol / is supportedYes•TrainetYes•TrainetYes•TrainetYes•TTPYes•FOOPYes•FOOPYes•FTPYes•FTPYes•FTPYes•BOOTPYes			
• MB support Yes • TRAPs via email Yes • Configuration with STEP 7 Yes • Port mirroring No • multiport mirroring No • multiport mirroring No • With IRT / PROFINET IO switch Yes • PROFINET conformity class C Product function / switch-managed Yes • Protorol / supported - • Telnet Yes • HTTP Yes Yes • HTTP Yes Yes • FTP Yes Yes • FTP Yes Yes • BOOTP No • DCP Yes • SMMP v1 Yes • SMMP v3 Yes Identification & maintenance function Yes • I&MU - device-specific information Yes • I&MU - higher-level de designation/location Yes • SMMP v3 Yes Product function Yes • Statistics packet Size Yes <	• CLI	Yes	
TRAPs via emailYes• TRAPs via emailYes• Configuration with STEP 7Yes• Port mirroringNo• multiport mirroringNo• with IRT / PROFINET IO switchYes• PROFINET conformity classCProduct function / switch-managedYes• Product function / switch-managedYes• TelnetYes• TelnetYes• TFTPYes• HTTPSYes• FTPYes• DOCPNo• DOCPYes• SIMMP v1Yes• SIMMP v2Yes• SIMMP v3Yes• Identification & maintenance functionYes• Isitistics Packet SizeYes• Product functionYes• Sististics packet typeYes• Statistics packet typeYes• Statistics packet typeYes• Error statisticsYes• Droduct functionYes• DifferenceYes• DifferenceYes• DifferenceYes• DifferenceYes• Statistics packet typeYes• Statistics packet typeYes• DifferenceYes• DifferenceYes	 web-based management 	Yes	
• Configuration with STEP 7Yes• Port mirroringNo• multiport mirroringNo• with IRT / PROFINET IO switchYes• PROFINET conformity classCProduct function / switch-managedYesProtocol / is supportedYes• TeinetYes• TTPPYes• HTTPYes• HTTPYes• FTPYes• FTPYes• BOOTPNo• DCPYes• SIMMP v2Yes• SIMMP v3YesIdentification & maintenance functionYes• Identification & maintenance functionYes• Identification & maintenance functionYes• SIMMP v3YesIdentification & functionYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• DCPC Linctors / DHCPYes• DCPC Linctors / DHCPYes• DHCP clientYes• DHCP clientYes• DHCP clientYes• DHCP clientYes• OHCP client <td>MIB support</td> <td>Yes</td>	MIB support	Yes	
Potent mirroring No • multiport mirroring No • with IRT / PROFINET IO switch Yes • PROFINET conformity class C Product function / switch-managed Yes Protocol / is supported - • Telnet Yes • HTTP Yes • HTTP Yes • HTTP Yes • FTP Yes • BOOTP Yes • DCP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Vestion of anintenance function Yes • Identification & maintenance function Yes • I&M0 - device-specific information Yes • Istatistics Packet Size Yes • Statistics packet Size Yes • Statistics packet Size Yes • Error statistics Yes • Droduct function / DHCP Yes • DHCP client Yes	• TRAPs via email	Yes	
• multiport mirroringNo• with IRT / PROFINET IO switchYes• PROFINET conformity classCProtocol / is supportedYes• Protocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• FIFPYes• EntreYes• EntreYes• BOOTPNo• DCPYes• SIMMP v1Yes• SIMMP v2Yes• SIMMP v3Yes• Identification & maintenance functionYes• Identification & maintenance functionYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• Error statisticsYes• Product functionYes• DtCPYes• Statistics Packet SizeYes• Statistics Packet SizeYes• DtCPCYes• DtCPC lientYes• DtCP ClientYes• DtCP ClientYes	 Configuration with STEP 7 	Yes	
with IRT / PROFINET IO switchYes• PROFINET IO diagnosisYesPROFINET conformity classCProduct function / switch-managedYesProtocol / is supportedYes• TelnetYes• HTTPYes• HTTPYes• HTTPSYes• FTPYes• BOOTPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• Identification & maintenance functionYes• I&MO - device-specific informationYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• Error statisticsYes• Product functionYes• DHCP clientYes• DHCP clientYes	Port mirroring	No	
PROFINET IO diagnosis Yes PROFINET Conformity class C Product function / switch-managed Yes Protocol / is supported - • Telnet Yes • HTTP Yes • HTTPS Yes • HTTPS Yes • FTFP Yes • BOOTP Yes • BOOTP Yes • BOOTP Yes • SOMP v1 Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Identification & maintenance function Yes • I&M - higher-level designation/location designation Yes • Statistics Packet Size Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes • Error statistics Yes • DHCP client Yes	multiport mirroring	No	
PROFINET conformity class C Product function / switch-managed Yes Protocol / is supported - • Telnet Yes • HTTP Yes • HTTPS Yes • HTTPS Yes • TFTP Yes • BOOTP No • DCP Yes • LLDP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Identification & maintenance function Yes • I&M0 - device-specific information Yes • Boott function / Diagnostics Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes • Error statistics Yes • Error statistics Yes • DHCP client Yes	 with IRT / PROFINET IO switch 	Yes	
Product function / switch-managed Yes Protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • HTTPS Yes • TFTP Yes • BOOTP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Identification & maintenance function Yes • I&MO - device-specific information Yes • Product functions / Diagnostics Yes • Product function Yes • Statistics Packet Size Yes • Error statistics Yes • Error statistics Yes • DHCP Client Yes	PROFINET IO diagnosis	Yes	
Protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • TFTP Yes • FTP Yes • BOOTP No • DCP Yes • LLDP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Identification & maintenance function Yes • I&M0 - device-specific information Yes • I&M0 - device-specific information Yes • I&M1 - higher-level designation/location Yes • Product function Yes • Statistics Packet Size Yes • Statistics packet Size Yes • Statistics packet Size Yes • Statistics packet type Yes • Error statistics Yes • DHCP Client Yes	PROFINET conformity class	С	
• TelnetYes• HTTPYes• HTTPSYes• TFTPYes• FTPYes• BOOTPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• Identification & maintenance functionYes• I&MO - device-specific informationYes• I&MO - device-specific informationYes• Product functionYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Statistics packet SizeYes• Fror statisticsYes• Product functionYes• DHCP DiemetYes• Product functionYes• DHCP ClientYes	Product function / switch-managed	Yes	
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FTPYesFTPYesBOOTPNoDCPYesLLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIdentification & maintenance functionYesI & BW0 - device-specific informationYesI & BW0 - device-specific informationYesProduct functions / DiagnosticsYesProduct functionYesStatistics Packet SizeYesStatistics packet typeYesError statisticsYesProduct function / DHCPYesProduct functionYesProduct functionYesStatistics packet typeYesStatistics packet typeYesBCOC functionYesProduct functionYesProduct functionYesStatisticsYesStatisticsYesProduct functionYesProduct functionYesDHCP clientYesYesProduct functionYesProduct functionYes <td>• HTTP</td> <td>Yes</td>	• HTTP	Yes	
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No• BOOTPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYesProduct functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• DHCP clientYes	• TFTP	Yes	
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• LLDP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Identification & maintenance function Yes • I&M0 - device-specific information Yes • I&M1 - higher-level designation/location Yes Product functions / Diagnostics Yes Product function Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes Product functions / DHCP Yes Product function Yes • Error statistics Yes	• BOOTP	No	
• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYesProduct functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functions / DHCPYesProduct functionYes• DHCP clientYes	• DCP	Yes	
 SNMP v2 SNMP v3 Yes Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location I&M1 - higher-level designation/location Yes Product functions / Diagnostics Product function Statistics Packet Size Statistics packet type Error statistics Yes Product functions / DHCP Product function DHCP client Yes 	• LLDP	Yes	
• SNMP v3 Yes Identification & maintenance function Yes • I&M0 - device-specific information Yes • I&M1 - higher-level designation/location Yes • I&M1 - higher-level designation/location Yes Product functions / Diagnostics Yes Product function Yes • Port diagnostics Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes Product function Yes • DHCP client Yes	• SNMP v1	Yes	
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• 1&M0 - device-specific informationYes• 1&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYesProduct functionYes• Port diagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• Error statisticsYes• DHCP clientYes	• SNMP v3	Yes	
• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYesProduct function • Port diagnosticsYes• Statistics Packet Size • Statistics packet type • Error statisticsYesProduct functions / DHCPYesProduct function • DHCP clientYes	Identification & maintenance function		
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 Statistics Packet Size Statistics packet type Statistics Error statistics Yes Product functions / DHCP Product function • DHCP client Yes			
• Statistics packet type Yes Yes • Error statistics Yes Product functions / DHCP Product function • DHCP client Yes	 Port diagnostics 	Yes	
	Statistics Packet Size	Yes	
Product functions / DHCP Product function • DHCP client Yes	 Statistics packet type 	Yes	
Product function OHCP client Yes	Error statistics	Yes	
DHCP client Yes	Product functions / DHCP		
	Product function		
Product functions / redundancy	DHCP client	Yes	
Product function	Product function		

 Ring redundancy 	Yes
High Speed Redundancy Protocol (HRP)	Yes
 high speed redundancy protocol (HRP) with 	Yes
redundancy manager	
 high speed redundancy protocol (HRP) with 	Yes
standby redundancy	
Protocol / is supported / Media Redundancy Protocol	Yes
(MRP)	
Product function	N
 media redundancy protocol (MRP) with redundancy manager 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
Passive listening	Yes
Product functions / Security	
Protocol / is supported	
• SSH	Yes
Product functions / time	
Product function	Yes
SICLOCK support Protocol / is supported	
NTP	No
	Yes
• SNTP	
Standards, specifications, approvals	
Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
 for hazardous zone 	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
 for hazardous zone / from CSA and UL 	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001
Standards, specifications, approvals / CE Certificate of suitability / CE marking	Yes
· ·	
Standards, specifications, approvals / other	
Certificate of suitability	EN 61000-6-4:2001
• C-Tick	Yes

 Railway application in accordance with EN 50155 	No
 Railway application in accordance with EN 	No
50124-1	
 KC approval 	Yes
Standards, specifications, approvals / marine class	ification
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
• Bureau Veritas (BV)	Yes
 Det Norske Veritas (DNV) 	No
 Germanische Lloyd (GL) 	No
• DNV GL	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
 Royal Institution of Naval Architects (RINA) 	Yes
Standards, specifications, approvals / Product conf	
MTBF	70.9 у
accessories	
Product extension / optional / C-PLUG	Yes
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	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
Socurity information	

Security information

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