SIEMENS

Data sheet

Product type designation

6GK5200-4AH00-2BA3



SCALANCE X200-4P IRT

SCALANCE X200-4PIRT MANAGED IE IRT SWITCH, 4 X 100MBIT/S POF SC RJ PORTS, FAULT SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORK MANAGEMENT, RED.- MANAGER INTEGRATED, INCL. ELECTRON. MANUAL ON CD, C-PLUG OPTIONAL

Transmission rate		
Transfer rate	10 Mbit/s, 100 Mbit/s	
Interfaces / for communication / integrated		
number of 100 Mbit/s SC-RJ-ports / for POF FOC		
 with push-pull connection system 	4	
Number of 1000 Mbit/s LC ports		
• for multimode	0	
• for single mode (LD)	0	
Interfaces / others		
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	18 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	1.1 A / 33 V
Consumed current / maximum	0.4 A
Power loss [W]	
• at DC / at 24 V	9.6 W
Permitted ambient conditions	
Ambient temperature	
 during operation 	-25 +40 °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, dimensions and weight	
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
Product properties, functions, components / genera	
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)

Cascading in cases of star topology

any (depending only on signal propagation time)

Product function Yes • CLI Yes • web-based management Yes • IMB support Yes • TRAPs via email Yes • Configuration wth STEP 7 Yes • Port mirroring No • multipot mirroring No • multipot mirroring No • with IRT / PROFINET IO switch Yes • ROFINET IO diagnosis Yes • switch-managed Yes • Forticol / is supported Yes • Telnet Yes • HTTP S Yes • FTP Yes • FTP Yes • DOP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • Mid- higher-level designation/location Yes • BM1 - higher-level designation/location Yes • BM1 - higher-level designation/location Yes • Statistics Packet Size Yes • Statistics packet type Yes • Forduct functions Yes • Statistics packet type Yes • Product function Yes • Statistics packet type Yes • Statistics packet type Yes • Error statistics </th <th>Product functions / management, configuration</th> <th></th>	Product functions / management, configuration	
web-based management Yes MilB support Yes MilB support Yes Configuration with STEP 7 Yes Pott minoring No multiport minoring No multiport minoring No with IRT / PROFINET IO switch Yes Protocol / is supported Yes Protocol / is supported Yes TTP Yes Protocol / is supported Yes *Tentet Yes HTTP Yes Protocol / is supported Yes *TTP Yes BOOTP Yes BOOTP Yes BOOTP Yes SNMP v1 Yes SNMP v2 Yes SNMP v3 Yes Identification & maintenance function Yes *BMU - higher-level designation/location Yes *Statistics Packet Size Yes *Statistics Packet Size Yes *Statistics packet type Yes *Statistics packet ty		
• MB support Yes • TRAPs via email Yes • Configuration with STEP 7 Yes • Port mirroring No • multiport mirroring No • multiport mirroring Yes • ProDer TI O Switch Yes • PROFINET IO diagnosis Yes • Protocol / is supported Yes • France Yes • HITTP Yes • HITTP Yes • HITTP Yes • HITTP Yes • FTP Yes • FTP Yes • BOOTP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Identification & maintenance function Yes • I&MO - device-specific information Yes • SNMP v3 Yes Identification & Construction Yes • Statistics Packet Size Yes • Statistics Packet Size Yes • Statistics Packet Size Yes • Statistics packet type Yes • Statistics packet type Yes • Statistics packet type Yes • Froduct function Yes • Froduct function Yes • Stat	• CLI	Yes
• TRAPs via email Yes • Configuration with STEP 7 Yes • Port mirroring No • multiport mirroring No • with IRT / PROFINET IO switch Yes • PROFINET ID diagnosis Yes • switch-managed Yes • Trainet Yes • Trainet Yes • TTP Yes • HTTP Yes • BOOTP No • DCP Yes • SMMP v1 Yes • SMMP v2 Yes • SMMP v3 Yes • Redut function & function Yes • Identification & maintenance function Yes • Identification & function / Ne Yes • SMMP v3 Yes • SMME v2 Yes • Statistics Packet Size Yes • Stati	 web-based management 	Yes
• Configuration with STEP 7Yes• Port mirroringNo• multipot mirroringNo• multipot mirroringNo• with IRT / PROFINET IO switchYes• PROFINET IO diagnosisYes• PROFINET IO diagnosisYes• Protocol / is supportedYes• TelnetYes• TTPPYes• HTTP SYes• FTPYes• BOOTPYes• BOOTPYes• BOOTPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• SNMP v3Yes• BootrpYes• SNMP v3Yes• SNMP v4Yes• SNMP v5Yes• Statistics pacet functionYes• Reduct functions / DiagnosisYes• Product functionYes• Product functions / DiagnosisYes• Product functions / DiagnosisYes• Product functionYes• Ford diagnosticsYes• Error statisticsYes• Dictor / DLCPYes• Product functionYes• Dictor / DLCP clientYes• Product functionYes• Product functionYes <tr< td=""><td>MIB support</td><td>Yes</td></tr<>	MIB support	Yes
Potentimications Potentimications Protect functions Protect functio	• TRAPs via email	Yes
• multiport mirroringNo• with IRT / PROFINET IO switchYes• PROFINET IO diagnosisYes• PROFINET IO diagnosisYes• Protocol / is supportedYes• TeinetYes• HTTPYes• HTTPYes• HTTPYes• FTPYes• BOOTPNo• DCPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• Statistics Packet SizeYes• Drot diagnosticsYes• Product functionYes• Product functionYes• Statistics Packet SizeYes• Drot DCPYes• Drot DCPYes• Drot DiagnosticsYes• Drot diagnosticsYes• Drot diagnosticsYes• Drot diagnosticsYes• Drot DCPYes• Drot diagnosticsYes• Drot DCPYes• Drot DCPYes• Drot DCPYes• Drot DCPYes• Product functionYes• Drot DCPYes• Drot DCPYes• Drot DCPYes• Drot D ColeintYes• Drot D ColeintYes• Drot D	 Configuration with STEP 7 	Yes
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• PROFINET IO diagnosis Yes • switch-managed Yes Protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • HTTPS Yes • FTP Yes • BOOTP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes Vedutfunction & maintenance function Yes • I&M0 - device-specific information Yes • BOOT functions / Diagnosits Yes • Porduct function Yes • Statistics Packet Size Yes • Statistics Packet Size Yes • Error statistics Yes • Error statistics Yes • DHCP client Yes • Product function Yes • DHCP client	 multiport mirroring 	No
• switch-managedYesProtocol / is supportedYes• TelnetYes• HTTPYes• HTTPSYes• HTTPSYes• TFTPYes• BOOTPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/locationYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• Error statisticsYes• Product function • DHCP clientYesProduct function • DHCP clientYes• Product function • DHCPYes• Product function • DHCPYes• Product function • DHCPYes• Product	 with IRT / PROFINET IO switch 	Yes
Protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • TFTP Yes • BOOTP 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 • Statistics Packet Size Yes • Statistics packet type Yes • Statistics packet type Yes • Error statistics Yes Product function Yes • DtCP client Yes	 PROFINET IO diagnosis 	Yes
• TelnetYes• HTTPYes• HTTPSYes• TFTPYes• FTPYes• BOOTPNo• DCPYes• LDDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• Identification & maintenance functionYes• Identification & maintenance functionYes• Identification & maintenance functionYes• Stall - higher-level designation/locationYes• Product functions / DiagnosisYesProduct functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• Droduct functionYes• Product functionYes• DtHCPYesProduct functionYes• DtHCP clientYesProduct functionYes• DtHCP clientYes• Product functionYes• DtHCP clientYes• DtHCP clientYes• DtHCP clientYes• DtHCP clientYes• DtHCP clientYes• DtHCP clientYes• DtHCP• DtHCP• DtHCP• DtHCP• DtHCP	 switch-managed 	Yes
HITTPYesHITTPSYesTFTPYesFTPYesBOOTPNoDCPYesLLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIdentification & maintenance functionYesI&M0 - device-specific informationYesI&M1 - higher-level designation/locationYesProduct functionYesStatistics Packet SizeYesStatistics packet typeYesFroduct functionYesProduct functionYes <tr< td=""><td>Protocol / is supported</td><td></td></tr<>	Protocol / is supported	
HTTPSYes• FTPYes• FTPYes• BOOTPNo• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M0 - device-specific informationYes• Product functionYes• Statistics Packet SizeYes• Statistics packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• DHCPYesProduct functionYes• DHCP clientYesProduct functionYes• DHCP clientYes• DHCP clientYes• DHCP clientYes• DHCP clientYes• DHCP clientYes• DHCP clientYes• Product functionYes• DHCP clientYes• Product functionYes• DHCP clientYes• DHCP• Per client• Product function• Per client• DHCP• Per client• Product function• Per client• Product function	• Telnet	Yes
TRTPYesFTPYesFTPYesBOOTPNoDCPYesLLDPYesSNMP v1YesSNMP v2YesSNMP v3YesIdentification & maintenance functionYesIBM0 - device-specific informationYesIBM0 - device-specific informationYesVesYesIdentification SYesProduct functions / DiagnosisYesProduct functionYesStatistics Packet SizeYesStatistics packet typeYesError statisticsYesProduct functionYesProduct functionYesProduct function / DHCPYesProduct functionYesProduct functionYes <td>• HTTP</td> <td>Yes</td>	• HTTP	Yes
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• 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&M1 - higher-level designation/location Yes Product functions / Diagnosis Yes • Product function Yes • Statistics Packet Size Yes • Statistics Yes • Error statistics Yes Product function Yes • DHCP Client Yes Product function Yes	• TFTP	Yes
• DCPYes• LLDPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosisYesProduct functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• Product functions / DHCPYesProduct functionYes• Product functionYes• Error statisticsYes• Error statisticsYes• DHCP clientYes• Product functionYes• DHCP clientYes• Product functions / DHCP• Product functionYes	• FTP	Yes
• 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 / Diagnosis Yes Product function Yes • Statistics Packet Size Yes • Statistics packet type Yes • Statistics Yes • DHCP client Yes Product function Yes • DHCP client Yes	• BOOTP	No
• SNMP v1Yes• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/locationYes• Product functions / DiagnosisYesProduct functionYes• Product functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• Concert functions / DHCPYesProduct functionYes• DHCP clientYes• DHCP clientYes	• DCP	Yes
• SNMP v2Yes• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosisYesProduct functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct function / DHCPYesProduct functionYes• Error statisticsYes• Error statisticsYesProduct functionYes• DHCP clientYesProduct functionYes• DHCP clientYesProduct functionYesProduct functionYes• DHCP clientYesProduct functionYesProduct functionYes• DHCP clientYesProduct functionYes• DHCP clientYes• ON (State State	• LLDP	Yes
• SNMP v3YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosisYesProduct functionYes• Port diagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• DHCPYesProduct functionYesProduct functionYes• Error statisticsYes• Error statisticsYesProduct functionYes• DHCP clientYesProduct functionYes	• SNMP v1	Yes
Identification & maintenance function Yes I&M0 - device-specific information Yes I&M1 - higher-level designation/location Yes esignation Yes Product functions / Diagnosis Yes Product function Yes • Port diagnostics Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes Product functions / DHCP Yes Product function Yes • DHCP client Yes Product functions / Redundancy Yes	• SNMP v2	Yes
• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosisYesProduct functionYes• Port diagnosticsYes• Port diagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYesProduct functionYes• DHCP clientYesProduct functionYesProduct functionYesProduct functionYesProduct functionYesProduct functionYesProduct functionYesProduct functionYes	• SNMP v3	Yes
• I&M1 - higher-level designation/location designation Yes Product functions / Diagnosis Yes Product function Yes • Port diagnostics Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes Product functions / DHCP Yes Product function Yes • DHCP client Yes Product function Yes • DHCP client Yes	Identification & maintenance function	
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	Statistics Packet Size	
Product functions / DHCP Product function • DHCP client Yes Product functions / Redundancy Product function		
Product function Yes • DHCP client Yes Product functions / Redundancy Yes	Error statistics	Yes
DHCP client Yes Product functions / Redundancy Product function		
Product functions / Redundancy Product function	Product function	
Product function	DHCP client	Yes
Ring redundancy Yes	Product function	
	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	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 Media Redundancy Protocol for Planned Duplication (MRPD) 	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	
 SICLOCK support 	Yes
Protocol / is supported	
• NTP	No
• SNTP	Yes
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, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
 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
• for interference immunity	EN 61000-6-2:2001
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• C-Tick	Yes
 Railway application in accordance with EN 50155 	No

 Railway application in accordance with EN 50124-1 	No
 KC approval 	Yes
MTBF / at 40 °C	73.06 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
Security information	

Security information

last modified:

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06/13/2017