SIEMENS

Data sheet

6GK5324-4GG10-4JR2

SCALANCE XR324-4M EEC; Managed IE switch, 19" rack; 16x 10/100/1000 Mbit/s for RJ45 ports electrical; 4x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager; Power supply 2x 230 V AC; Ports at the back



product type designation	SCALANCE XR324-4M EEC	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	16; RJ45	
number of 100 Mbit/s ST(BFOC) ports		
• for multimode	8	
number of 100 Mbit/s SC ports		
• for multimode	8	
number of 1000 Mbit/s LC ports		
 for multimode 	8	
for single mode (LD)	8	
interfaces / other		
number of electrical connections		
 for operator console 	1	
 for signaling contact 	1	
 for media module 	4	
for power supply	2	
type of electrical connection		
 for operator console 	RJ11	
 for signaling contact 	2 x 3-pole terminal block	
for power supply	2 x 3-pole terminal block	
design of the removable storage		
• C-PLUG	Yes	
signal inputs/outputs		
operating voltage / of the signaling contacts		
at AC / rated value	276 V	
at DC / rated value	230 V	
operational current / of the signaling contacts		
• at AC / maximum	5 A	
• at DC / maximum	0.1 A	
supply voltage, current consumption, power loss		
type of voltage supply / redundant power supply unit	Yes	
type of voltage / 1 / of the supply voltage		
supply voltage / 1 / rated value	230 V	
power loss [W] / 1 / rated value	42 W	

occurrence current / 1 fraction value occurrence current / 1 fraction value occurrence current / 1 fraction value occurrence currence / 1 fraction value occurrence currence / 1 fraction value occurrence value oc		00 070 1/
Pype of electrical connection 1.1 / for power supply Pype of electrical connection 1.1 / fusing at power supply input Pype	• supply voltage / 1 / rated value	80 276 V
product component / 1 / fusing at power supply input ambient conditions ambient emperature		
ambient temperature - during poteration - during storage - during transport - note Felative humidity - at 25 °C / without condensation / during operation / maximum protection class IP design / menosines and weights design / menosines / menos	**	
ambient temperature • during storage • during transport • during storage • during transport • note **Reduced operating temperature upper limit of +85° C permitted for 16 hours. Reduced operating temperature trough the use of media modules (-40 - 20 - 40 - 40 - 45° C) or SFP plug-in transceivers (-40 °C to +80 °C) **reletive hundrity • at 25 °C / without condensation / during operation / maximum protection class IP **protection class IP **protect features, protect trunctions, product components / general cascading in the case of a redundant ring / at reconfiguration intending		Yes
e during operation during storage du		
e during storage e during transport e note relative humidity of to 1-70°C jor SFP plug-in transceivers (-40°C to +68°C) relative humidity of to 1-70°C jor SFP plug-in transceivers (-40°C to +68°C) relative humidity of to 1-70°C jor SFP plug-in transceivers (-40°C to +68°C) relative humidity of to 1-70°C jor SFP plug-in transceivers (-40°C to +68°C) relative humidity protection class IP relative humidity relating to 19-inch residency design number of modular height units / relating to 19-inch cabinet width 483 mm Height 44 mm depth 305 mm net weight 7 kg restering method view in the phat Dix rail mounting view in mounting reconsignation time of <-0.3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3	·	
e during transport note Extended temperature upper limit of +85° C permitted for 16 hours. Reduced operating temperature through the use of media modules (-40° to +70° C) or SFP plug-in transceivers (-40° to +60° C) relative humidity at 25° C / without condensation / during operation / maximum protection class IP design transports (-40° to +60° C) design, dimensions and velights design		
Extended temperature upper limit of -85° C permitted for 16 hours. Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C) and the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C) and use of the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C) and use of the		
relative humidity		
a 42 5° C without condensation / during operation / maximum protection class IP design, dimensions and weights design number of modular height units / relating to 19-inch cabinet width height 44 mm depth 305 mm net weight 7 kg fastening method 47 kg 1-10-inch installation 45 kg 3.5 mm top hat DIN rail mounting No 3.5 mm top hat DIN rail mounting No 3.5 mm top hat DIN rail mounting No 5.7-1500 rail mounting No 5.7-1500 rail mounting No 5.7-1500 rail mounting No 6.7-1500 rail mounting No 7 kg 7 kg 7 kg 100 100 100 100 100 100 100 1	• note	Reduced operating temperature through the use of media modules (-40
maximum protection class IP design, dimensions and weights design number of modular height units / relating to 19-inch cabinet width height	relative humidity	
design dimensions and weights design 19° rack number of modular height units / relating to 19-inch cabinet width 483 mm height 44 mm depth 305 mm net weight 7 kg fastening method When used in shipbuilding, the device must be secured in the 19° rack at four points • 19-inch installation Yes • 19-inch installation Yes • 35 mm top hat DIN rail mounting No • wall mounting No • s7-1500 rail mounting No • \$7-1500		95 %
design 19" rack 19" rack 19" rack 100	protection class IP	IP20
number of modular height units / relating to 19-inch cabinet width height 44 mm depth 305 mm net weight 7 kg fastening method 419-inch installation Yes • 19-inch installation Yes • 37-300 rail mounting No • wall mounting No • \$7-300 rail mounting No • \$7-1500 rail mounting No cascading in the case of a redundant ring / at reconfiguration time of <-10-30-s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product functions / management Yes • Mils support Yes • TRAPs via email Yes • Configuration with STEP 7 Yes • PROFINET conformity class B PROFINET conformity class B PROFINET conformity class B Product function / switch-managed protocol / is supported • Telnet Yes • HTTPS Yes • HTTPS Yes • HTTPS Yes • FTP • HTTPS Yes • BOOTP Yes • BOOTP • GMRP • OCP	design, dimensions and weights	
cabinet 483 mm height 44 mm depth 305 mm net weight 7 kg fastening method When used in shipbuilding, the device must be secured in the 19" rack at four points • 19-inch installation Yes • 35 mm top hat DIN rail mounting No • \$7-1500 rail mounting No • \$7-500 rail mounting No • \$7-1500 rail mounting No product features, product functions, product components / general general cascading in the case of a redundant ring / at reconfiguration time of < 0.31-s	design	19" rack
height depth 305 mm 305 mm net weight 7 kg When used in shipbuilding, the device must be secured in the 19" rack at four points 41 four points 41 four points 41 four points 41 four points 42 four points 43 four points 43 four must be secured in the 19" rack at four points 45 four		1
depth 305 mm net weight 7 kg Tastening method Tastening method When used in shipbuilding, the device must be secured in the 19" rack at four points 19-inch installation Yes S7-300 rail mounting No No No No No No No N	width	483 mm
net weight 7 kg fastening method When used in shipbuilding, the device must be secured in the 19" rack at four points • 19-inch installation Yes • 35 mm top hat DIN rail mounting No • 87-300 rail mounting No • S7-300 rail mounting No product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <i-0.3\-s< td=""> cascading in cases of start topology any (depending only on signal propagation time) product function CLI Yes • Web-based management, configuration, engineering Yes • MIB support Yes • MIB support Yes • RMON Yes • PROFINET IO diagnosis Yes • PROFINET IO diagnosis Yes PROFINET Conformity class B product function / switch-managed Yes • TIFP Yes • HITTPS Yes • FIFP Yes • FIFP Yes • FIFP Yes • FIFP Yes • F</i-0.3\-s<>	height	44 mm
fastening method • 19-inch installation • 19-inch installation • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting reconfiguration time of <i-> • S7-1500 rail mounting reconfiguration with STEP 7 resonable management reconfiguration management reconfigurati</i-></i-></i-></i-></i-></i-></i-></i-></i-></i-></i-></i-></i->	depth	305 mm
19-inch installation 35 mm top hat DIN rail mounting No wall mounting No S7-300 rail mounting No S7-300 rail mounting No product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <i-0.3\> cascading in cases of star topology product functions / management, configuration, engineering product function CLI Yes MIB support NB suppor</i-0.3\>	net weight	7 kg
19-inch installation 35 mm top hat DIN rail mounting No vall mounting No S7-300 rail mounting No S7-1500 rail mounting No S7-1500 rail mounting No product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-s cascading in cases of slar topology product functions / management, configuration, engineering product functions / management, configuration, engineering product function CLI Yes • web-based management Yes • RMON S7-1500 rail mounting Yes • RMON S7-1500 rail mounting Yes • PROFINET IO diagnosis Yes PROFINET IO diagnosis Yes PROFINET conformity class product function / switch-managed 7es • HTTP HTTP Yes • HTTP HTTP Yes • FTP • RMOP • GMRP • COP • COR	fastening method	
• 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-300 rail mounting • S7-300 rail mounting • S7-1500 rail mounting No product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.31~s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI • Web-based management • Yes • MIB support • TRAPs via email • configuration with STEP 7 • RMON • Yes • PROFINET IO diagnosis • PROFINET Conformity class • PROFINET Conformity class • PROFINET Conformity class product function / switch-managed • Telnet • Telnet • HTTP • Yes • HTTP • Yes • FTP • HTTPS • Yes • FTP • BOOTP • GMRP • DCP • Yes • DCP • Yes • PCP • P		·
wall mounting		
• S7-300 rail mounting • S7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.31~s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI • Wes • web-based management • Wes • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis PROFINET Conformity class product function / switch-managed • Telnet • Telnet • Telnet • TEIP • Yes • FTP • FTP • Yes • GMRP • DCP • Yes • DCP • Yes • DCP • Yes • PCS • PROFINET OF STEP • Yes • FTP • GMRP • Yes • DCP • Yes • DCP • Yes • DCP		
• S7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\0.0.3\\0.0 \ and (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI • Web-based management • Yes • MIB support • TRAPs via email • configuration with STEP 7 • RMON • port mirroring • Yes • multiport mirroring • Yes • PROFINET IO diagnosis PROFINET conformity class product function / switch-managed protocol / is supported • Telnet • HTTP • Yes • HTTP • HTTP • Yes • FTP • HTTP • Yes • GMRP • GMRP • ODCP • Yes • DCP	_	
product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3/\-s\$ cascading in cases of star topology product functions / management, configuration, engineering product function CLI Yes web-based management MIB support TRAPs via email configuration with STEP 7 RMON port mirroring Cos multiport mirroring Cos PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet HTTP Telnet HTTP Yes FTP HTTPS Yes GMRP GMRP GMRP GMRP Yes 100 100 100 100 100 100 100 1	-	
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product function CLI web-based management Yes MIB support TRAPs via email configuration with STEP 7 RMON port mirroring multiport mirroring COS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet	1 03	
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 web-based management MIB support TRAPs via email configuration with STEP 7 RMON port mirroring multiport mirroring COS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet Telnet HTTP HTTP HTTPS FTP SMOTP GMRP DCP 		
 MIB support TRAPs via email configuration with STEP 7 RMON port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet HTTP HTTPS TFTP FFD BOOTP GMRP CoM Yes 	• CLI	Yes
 TRAPs via email configuration with STEP 7 RMON port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet HTTP HTTPS FTP FTP BOOTP GMRP DCP 	 web-based management 	Yes
 configuration with STEP 7 RMON port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet HTTP HTTPS TFTP FTP BOOTP GMRP DCP 		Yes
 RMON port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Telnet Telnet HTTP HTTPS TFTP FTP BOOTP GMRP DCP 		Yes
 port mirroring multiport mirroring CoS PROFINET IO diagnosis PROFINET conformity class product function / switch-managed Yes protocol / is supported Telnet HTTP HTTPS HTTPS TFTP FTP BOOTP GMRP DCP 	_	
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PROFINET conformity class B product function / switch-managed Yes protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • TFTP Yes • FTP Yes • BOOTP Yes • GMRP Yes • DCP Yes		
product function / switch-managed protocol / is supported Telnet HTTP HTTPS HTTPS TFTP FTP BOOTP GMRP DCP Yes Yes Yes Yes Yes Yes Yes Ye		
protocol / is supported • Telnet • HTTP • HTTPS • HTTPS • TFTP • FTP • BOOTP • GMRP • DCP Protocol / is supported Yes Yes Yes Yes Yes Yes Yes Y		
 Telnet HTTP HTTPS HTTPS TFTP FTP BOOTP GMRP DCP Yes Yes Yes Yes Yes Yes Yes 		Yes
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 TFTP FTP BOOTP GMRP DCP Yes Yes Yes Yes 		
 FTP BOOTP GMRP DCP Yes Yes Yes Yes 		
 BOOTP GMRP DCP Yes Yes Yes 		
GMRPDCPYesYes		
• DCP Yes		
• LLUP Yes		
	• LLDP	Yes

• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
IGMP (snooping/querier)	Yes
identification & maintenance function	
1&M0 - device-specific information	Yes
I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	
 port diagnostics 	Yes
statistics Packet Size	Yes
 statistics packet type 	Yes
 error statistics 	Yes
SysLog	Yes
product functions / VLAN	
product function	
 VLAN - port based 	Yes
 VLAN - protocol-based 	No
 VLAN - IP-based 	No
VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
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	
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
	165
product function	
product function • media redundancy protocol (MRP) with redundancy manager	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP	
product function	Yes Yes Yes
product function	Yes Yes Yes Yes Yes
product function	Yes Yes Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported	Yes Yes Yes Yes Yes Yes
product function	Yes Yes Yes Yes Yes Yes
product function	Yes Yes Yes Yes Yes Yes Yes
product function	Yes
product function	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP • MSTP • RSTP • RSTP big network support	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP • MSTP • RSTP • RSTP big network support	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP • RSTP • RSTP big network support • LACP	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP • MSTP • MSTP • RSTP big network support • LACP product functions / security product function • ACL - MAC-based • ACL - port/MAC-based	Yes
product function • media redundancy protocol (MRP) with redundancy manager • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • passive listening protocol / is supported • STP/RSTP • STP • RSTP • RSTP • MSTP • RSTP big network support • LACP product functions / security product function • ACL - MAC-based	Yes

h	Ver
broadcast blocking	Yes
protocol / is supported	Voo
• SSH	Yes
product functions / time	
product function	
SICLOCK support	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	Yes
standards, specifications, approvals	
standard	
 for safety / from CSA and UL 	UL 508, CSA C22.2 No. 142-M1987
 for emitted interference 	EN 61000-6-4:2007 (Class A)
for interference immunity	EN 61000-6-2:2005
MTBF	20 y
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standard	
• for EMC	IEC 61850, IEEE 1613
standards, specifications, approvals / hazardous environn	nents
standard / for hazardous zone	-
 from CSA and UL 	No
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
C-Tick	Yes
 KC approval 	Yes
• IEC 61850-3	Yes
standards, specifications, approvals / marine classification	n
Marine classification association	
 French marine classification society (BV) 	Yes
Korean Register of Shipping (KRS)	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
 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	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)
last modified:	7/1/2021 🖸