SIEMENS

Data sheet



SCALANCE XM408-4C; managed modular IE switch; 8x 10/100/1000 Mbit/s RJ45; 4x 100/1000 Mbps ST-/SC- pluggable as combo ports; in total 8 ports can be used; expandable to 24 ports electrical or optical; assembly: DIN rail/S7 mounting rail, PROFINET IO device; redundancy functions; office features (RSTP, VLAN, IGMP,..); C-PLUG in scope of supply; layer 3 integrated.

product type designation	SCALANCE XM408-4C
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
number of ports / maximum	24
interfaces / for communication / maximum configuration for me	odular devices
number of electrical ports / maximum	24
number of electrical ports / with PoE / maximum	16
number of optical ports / maximum	20
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	8; RJ45 with securing collar
number of 10/100/1000 Mbit/s RJ45 ports / integrated	
with securing collar	8
number of electrical connections	
• for SCP/STP transceiver	4; 100 Mbit/s or 1000 Mbit/s
number of combo ports / with RJ45 interface for optical plug-in transceiver	4; 100 Mbit/s ST plug-in transceiver, 1000 Mbit/s SC plug-in transceiver
number of connectable extender modules	2
interfaces / for communication / plug-in	
number of 10/100/1000 Mbit/s RJ45 ports	
with securing collar	16
 with securing collar / with PoE 	16
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	4
• for single mode (LD)	4
number of 1000 Mbit/s SC ports	
• for multimode	4
• for single mode (LD)	4
number of 100 Mbit/s LC ports	
• for multimode	16
• for single mode (LD)	16
• for single mode (LH+)	16
• for single mode (ELH200)	16
number of 1000 Mbit/s LC ports	
• for multimode	16
• for single mode (LD)	16
• for single mode (LH)	16
• for single mode (LH+)	16
• for single mode (ELH)	16
number of electrical connections	

* (or SCPSTP Iransacewer * (or SCPSTP Iransacewer * (or SCPSTP Iransacewer * (or Scenario console * (or operator console * (or management purposes * (or signaling contact * (or province stapply * (or operator console * (or management purposes * (or operator console * (or operator console * (or operator) * (or	- for CED	40, 400 Mhille on 4000 Mhille OFD the in house
interfaces fatheric number of electrical connections • for operator console • for management purposes • for immagnement purposes • for power supply • for electrical connection • for operator console • for operator operator • for for electrical consoler • for for electrical consoler • for for electrical connection of redundant voltage supply • operator operator operator • for for electrical connection of redundant voltage • supply voltage of 1 for the supply voltage • supply voltage of 1 for the value • supply v	• for SCP/STP transcellus	16; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver
rumber of excitical connections • for operator crosside • for signaling contact • for signaling contact • for signaling contact • for power supply • for operator crosside • for management purposes • for signaling contact • for power supply • for operator console • for management purposes • Full for management purposes • for signaling contact • for management purposes • RU15 • for signaling contact • for management purposes • RU16 • for promiting contact • for promiting contact • for promiting contact • for promiting contact • for signaling contact • for promiting contact • f		4, TOU INDITYS OF TOUCH INDITYS
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For infangement purposes For signaling contact For power supply For of clearfied commection For infangement purposes For signaling contact For infangement purposes For signaling contact For infangement purposes For signaling contact For signaling contacts For		1
For signaling contact For present examply For present examply For present example For present console For present console For present console For signaling contact For signaling contact For present expansion interfaces For present console For present console For signaling contact For product feature for hose-signaling contacts For PLUGKEY-PLUG For PLUGKEY-PLUG For product feature for hose-signaling contacts For product company for hose-signaling contacts For product company for FSE / with PoE For product company for SEE / with PoE For prof / maximum For youtings, current consumption, power loss For youtings for fire supply voltage For youtings for fire supply voltage For youtings for youtings for fire supply voltage For youting youtings for fire supply voltage For youting youtings for fire dividue For youting youtings for fire youtings for fire youtings youtings for fire youtings youtings for fire youtings youti	·	
See prevent upply 1 See prevent process RU11 RU		
bype of electrical connection • for operator console • for signaling contact • for signaling contact • for signaling contact • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • CPLUGKEV-PLUG • consumed resident or into essagnable interface modules • and to it is signaling contacts • and		
* for operator console * for management purposes * for signating contact * contracting provided in the state of extendire expansion interfaces * cPLUG KEY-PLUG * Yes * cPLUG KEY-PLUG * Yes * cPLUG KEY-PLUG * Yes * contracting provided interface modules * cperuit of the signating contacts * at DC / rated value * at DC / rated value * at DC / maximum * supply vortage, current consumption, power loss product component / connection for redundant voltage supply * supply vortage, current consumption, power loss * product component / connection for redundant voltage supply * supply voltage / 1 of the supply voltage * per port / raximum * so W * very port / raximum * very po		
• for risgnaling contact number of extender expansion interfaces • C-PLUGKEY-PLUG • C-PLUGKEY-PLUG • C-PLUGKEY-PLUG • CPLUGKEY-PLUG • CPLUGKEY-PLUG • CPLUGKEY-PLUG • CPLUGKEY-PLUG • The signaling contacts • and to find extender expansion interface modules • and to find extender expansion • and to find expan	· ·	R I11
• for signaling contact number of extender expansion interfaces cesign of the removable storage • C-PLUG Yes product feature? hot-evappable interface modules coperating voltage? of the signaling contacts • at DC / rated value • 24 V operating voltage / of the signaling contacts • at DC / rated value • at DC / rated value • at DC / maximum outply voltage, current consumption, power loss product component? connection for redundant voltage supply suppled active power / of PSE / with PDE • per port / rated value • power loss W/ 1 / rated value • power lo		
number of extender expansion interfaces design of the removable storage		
design of the removable storage • C-PLUG/KEY-PLUG • C-PLUG/KEY-PLUG product feature / hot-swapable interface modules • at TbC / rated value • at DC / maximum on 1, A supply voltage, current consumption, power loss product component / connection for redundant voltage aupply supply voltage, current consumption, power loss product component / connection for redundant voltage aupply supply voltage, current consumption, power loss product component / connection for redundant voltage aupply supply voltage, current consumption, power loss product component / romaximum so 0 W • per port / maximum so 0 W • per port / maximum so 0 W • per port / maximum so 0 W • power loss (W) / 1 / rated value • per port / rated value • supply voltage / 1 / or the supply voltage • supply voltage / 1 / rated value • supply voltage / 1 / rated valu		
CPLUG (KEY-PLUG) CPLUG/KEY-PLUG Product Feature / hot-sweeppable interface modules Signal Inputs/outputs operating voltage / of the signaling contacts at DC / rated value 24 V Operational current / of the signaling contacts at DC / rated value 24 V Operational current / of the signaling contacts at DC / rated value 0.1 A Supply voltage, current consumption, power loss product component / connection for redundant voltage supply applied active power / of PSE / with PoE oper port / maximum 380 W otal / maximum 380 W type of voltage / 1 / rated value opew ross [V] 1 / ra	<u> </u>	
product feature / hot-awappable interface modules *at DC / rated value operating voltage / of the signaling contacts *at DC / rated value operating voltage / of the signaling contacts *at DC / rated value *at DC / maximum *		Yes
operating voltage / of the signaling contacts a tab C/ rated value operational current / of the signaling contacts at DC / maximum supply voltage, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss product component / connection for redundant voltage supply yelloga, current consumption, power loss yelloga for / maximum 30 W • per port / maximum 30 W • per port / maximum 30 W • power loss (N) / 1 / rated value • supply voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • sup	• C-PLUG/KEY-PLUG	Yes
operating voltage / of the signaling contacts	product feature / hot-swappable interface modules	Yes
operating voltage / of the signaling contacts	· · · · · · · · · · · · · · · · · · ·	
operational current / of the signaling contacts		
at DC / maximum **supply voltage, current consumption, power loss** product component / connection for redundant voltage supply supplied active power / of PSE / with POE **per port / maximum** **stola / maximum** **supply voltage / 1 / rated value** **supply		24 V
at DC / maximum **supply voltage, current consumption, power loss** product component / connection for redundant voltage supply supplied active power / of PSE / with POE **per port / maximum** **stola / maximum** **supply voltage / 1 / rated value** **supply	operational current / of the signaling contacts	
product component / connection for redundant voltage supply supplied active power / of PSE / with POE e per port / maximum * total / maximum * supply voltage / 1 / rated value e supply voltage / 1 / rated value e power loss [W] / 1 / rated value e supply voltage / 1 / rated value e vonsumed current / 1 / raminum e type of electrical connection / 1 / for power supply p roduct component / 1 / fusing at power supply input e value of the product of toward of the product functions product functions product functions product functions e cascading in the case of a redundant ring / at reconfiguration to e ctll for the product functions / maximum product functions / maximum for el-q-0.3~s cascading in cases of star topology product functions / management, configuration, engineering		0.1 A
product component / connection for redundant voltage supply supplied active power / of PSE / with POE e per port / maximum * total / maximum * supply voltage / 1 / rated value e supply voltage / 1 / rated value e power loss [W] / 1 / rated value e supply voltage / 1 / rated value e vonsumed current / 1 / raminum e type of electrical connection / 1 / for power supply p roduct component / 1 / fusing at power supply input e value of the product of toward of the product functions product functions product functions product functions e cascading in the case of a redundant ring / at reconfiguration to e ctll for the product functions / maximum product functions / maximum for el-q-0.3~s cascading in cases of star topology product functions / management, configuration, engineering	supply voltage, current consumption, power loss	
• per port / maximum • total / maximum • total / maximum • total / maximum • supply voltage / 1 / rated value • type of electrical connection / 1 / for power supply • product component / 1 / for power supply • product foatinum **To "C • during operation • during storage • during storage • during transport • at 2 ° C / without condensation / during operation / maximum **To "C **design design **design mensions and weights **des		Yes
total / maximum Sign W type of voltage / 1 / rated value • supply voltage / 1 / rated value • power loss W / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient temperature • during operation • during storage • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design modular width 140 mm height 147 mm depth 125 mm net weight 1.15 kg fastening method • \$7-300 rail mounting Yes • \$7-1500 rail mounting Yes product features, product functions, product components / general acascading in the case of a redundant ring / at reconfiguration method • CLI Yes		
type of voltage / 1 / rated value 24 V • power loss [W] / 1 / rated value 48 W • supply voltage / 1 / rated value 19.2 28.8 V • consumed current / 1 / maximum 2 A • type of electrical connection / 1 / for power supply 4-pole terminal block 9-product component / 1 / fusing at power supply input 4-pole terminal block 9-product component / 1 / fusing at power supply input 4-pole terminal block 9-product component / 1 / fusing at power supply input 4-pole terminal block 9-product found input storage 4-40 +85 °C • during poreation 4-40 +85 °C • during transport 4-40 +85 °C • during transport 9-5% maximum protection class IP IP20 design, dimensions and weights design modular width 140 mm height 125 mm net weight 1.15 kg fastening method 155 mm net weight 1.15 kg fastening method 9-S7-300 rail mounting 9-yes 9-S7-1500 rail mounting 9-yes 9-S7-1500 rail mounting 9-yes 9-S7-1500 rail mounting 9-yes 10-03-yes 1	• per port / maximum	30 W
supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / rated value supply voltage / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum 2 A type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during storage during transport relative humidity at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design width 140 mm height 147 mm depth net weight 1.15 kg fastening method 35 mm top hat DIN rail mounting ves S7-1500 rail mounting ves S7-1500 rail mounting ves product functions, product components / general cascading in cases of sar topology product functions / management, configuration, engineering ves ves ves	• total / maximum	360 W
power loss [W] / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation during storage during transport eduring transport relative humidity eat 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design design imensions and weights design imensions and weight depth 125 mm net weight fastening method	type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input ambient conditions ambient temperature • during operation • during storage • during storage • during transport relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design design modular width height 147 mm depth net weight fastening method • \$5 mm top hat DIN rail mounting • \$7-1500 rail mounting • \$7-1500 rail mounting Yes 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 functions • CLI Yes	supply voltage / 1 / rated value	24 V
onsumed current / 1 / maximum iype of electrical connection / 1 / for power supply product component / 1 / fusing at power supply	power loss [W] / 1 / rated value	48 W
Sype of electrical connection / 1 / for power supply 4-pole terminal block Yes	supply voltage / 1 / rated value	19.2 28.8 V
Product component / 1 / fusing at power supply input ambient conditions ambient temperature during operation	consumed current / 1 / maximum	2 A
ambient conditions ambient temperature • during operation • during storage • during transport • during transport • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width height depth 147 mm depth net weight fastening method • 35 mm top hat DIN rail mounting • \$7-300 rail mounting • \$7-1500 rail mounting product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.3\-\sigma\cdots cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes	 type of electrical connection / 1 / for power supply 	4-pole terminal block
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e during storage e during transport -40 +85 °C -40 +85 °C relative humidity e at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width height 140 mm height 147 mm depth 125 mm net weight fastening method e 35 mm top hat DIN rail mounting yes e S7-300 rail mounting Yes e S7-300 rail mounting Yes product features, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of <\-0.31-∞ (3)-∞ (according to the case of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering	•	
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relative humidity • at 25 °C / without condensation / during operation / maximum protection class IP design, dimensions and weights design modular width height 140 mm height 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail 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\-\sigma cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes		
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maximum protection class IP design, dimensions and weights design modular width 140 mm height 147 mm depth 125 mm net weight fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 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 <\-0.3\-s cascading in cases of star topology product functions / management, configuration, engineering product function • CLI Yes	•	
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height 147 mm depth 125 mm net weight 1.15 kg fastening method • 35 mm top hat DIN rail mounting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes 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 any (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI Yes		
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fastening method • 35 mm top hat DIN rail mounting • S7-300 rail mounting • S7-1500 rail mounting Yes 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	·	
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S7-300 rail mounting S7-1500 rail mounting Yes 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	-	Yes
S7-1500 rail mounting Yes 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	· · · · · · · · · · · · · · · · · · ·	Yes
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	-	Yes
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	product features, product functions, product components / gene	eral
time of <\-0.3\~s cascading in cases of star topology any (depending only on signal propagation time) product functions / management, configuration, engineering product function • CLI Yes	cascading in the case of a redundant ring / at reconfiguration	
product functions / management, configuration, engineering product function • CLI Yes	time of <\~0.3\~s	
product function • CLI Yes		any (depending only on signal propagation time)
• CLI Yes	product functions / management, configuration, engineering	
web-based management Yes		
	web-based management	Yes

MID	V
MIB support TDARs via sussit	Yes
TRAPs via email TRAPs via email	Yes
• configuration with STEP 7	Yes
• RMON	Yes
• port 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
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
IGMP (snooping/querier)	Yes
identification & maintenance function	
 I&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
statistics packet typeerror statistics	
• error statistics	Yes
error statisticsSysLog	
error statisticsSysLogproduct functions / VLAN	Yes
error statistics SysLog product functions / VLAN product function	Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based	Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based	Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based	Yes Yes Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic	Yes Yes Yes Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum	Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum	Yes Yes Yes Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP	Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP	Yes Yes Yes Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function	Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP client	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP client DHCP Option 82	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP client DHCP Option 82 DHCP Option 66	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP Option 82 DHCP Option 66 DHCP Option 67	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes IP routing integrated
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function static IP routing	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes Yes Yes Yes Yes
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function static IP routing static IP routing IPv6	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function static IP routing static IP routing odynamic IP routing	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
error statistics SysLog product functions / VLAN product function VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic number of VLANs / maximum number of VLANs - dynamic / maximum protocol / is supported / GVRP product functions / DHCP product function DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function e static IP routing e static IP routing IPv6 dynamic IP routing IPv6 e dynamic IP routing IPv6	Yes Yes Yes Yes Yes Yes Yes Yes Yes 255 255 Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye
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• PIDnC for IDv6	Voc
RIPnG for IPv6 OSPEva	Yes
OSPFv2 OSPEv2 for IPv6	Yes
OSPFv3 for IPv6	Yes
VRRP VPRP for IDVS	Yes
VRRP for IPv6 product functions / redundancy	Yes
product function	
of the PROFINET IO device / is supported / PROFINET	Yes
system redundancy	
 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 Interconnection (MRP-I)	Yes
 of the PROFINET IO device / is supported / H-Sync forwarding 	Yes
• redundancy procedure STP	Yes
 redundancy procedure RSTP 	Yes
redundancy procedure RSTP+	Yes
• redundancy procedure MSTP	Yes
passive listening	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
product function	
ACL - MAC-based	Yes
ACL - port/MAC-based	Yes
• IEEE 802.1x (radius)	Yes
 broadcast/multicast/unicast limiter 	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	Van
SICLOCK support NTP-client	Yes Yes
SNTP client	
protocol / is supported	Yes
NTP	Yes
• SNTP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for safety / from CSA and UL	UL 508, UL 60950-1, CSA C22.2 Nr. 60950-1-03
for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
MTBF	28 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
· -	

certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0: 2009, EN60079-15: 2010, II 3 G Ex nA IIC T4 Gc, KEMA 07 ATEX 0145 X, IECEX DEK 14.0025X
• from CSA and UL	ISA 12.12.01-2012 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
certificate of suitability	
 CCC / for hazardous zone according to GB standard 	Yes
 CCC / for hazardous zone according to GB standard / as marking 	Ex nA IIC T4 Gc
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
C-Tick	Yes
KC approval	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	Yes
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
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)
Approvals / Certificates	
General Product Approval EMC	For use in hazardous locations
Manufacturer Declara- tion Line RCM	ATEX-Zone 2-Declaration FM IECEx

For use in hazardous locations

Declaration of Conformity

CCC-Ex









Manufacturer Declara-tion

Marine / Shipping







NK / Nippon Kaiji Kyokai





Marine / Shipping

other

Environment



PROFINET-Certification



last modified:

8/11/2023