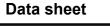
## 6GK5206-2RS00-5AC2



product type designation



SCALANCE XC206-2G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 54 V DC Infeed; 240 W PoE Power can be distributed among all ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG slot; IEEE 1588v2 PTP

with securing collar / with PoE     number of electrical connections     • for SFP 2  Interfaces / for communication / plug-in number of electrical connections     • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  Interfaces / other  number of electrical connections     • for operator console 1     • for operator console 1     • for signaling contact 1 type of electrical connection     • for operator console RJ11     • for signaling contact 2-pole terminal block     • for power supply 4-pole terminal block     • for power supply 4-pole terminal block     • for power supply 5-yole terminal block     • or operating voltage / of the signaling contacts     • at DC / rated value 5-yole terminal block     • at DC / maximum 0.1 A  supply voltage, current consumption, power loss product component / connection for redundant voltage supply supplied active power / of PSE / with PoE     • total / maximum 260 W	or out of the decignation	
Interfaces / for communication / maximum configuration for modular devices number of electrical ports / maximum 6 number of electrical ports / maximum 2 Interfaces / for communication / integrated number of electrical connections • for network components or terminal equipment 6; RJ45 number of electrical connections • for network components or terminal equipment 6; RJ45 number of 10/100/1000 Mbit/s RJ45 ports / integrated • with securing collar / with POE 6 number of electrical connections • for SFP 2  Interfaces / for communication / plug-in number of electrical connections • for SFP 2  Interfaces / for communication / plug-in number of electrical connections • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  Interfaces / other number of electrical connections • for operator console 1 • for signaling contact 1 type of electrical connection • for operator console RJ11 type of electrical connection • for operator console Graphing contact 2-pole terminal block • for power supply 4-pole terminal block • for power supply 4-pole terminal block • for power supply 4-pole terminal block • for power supply 5-yes  signal imputs/outputs  operational current / of the signaling contacts • at DC / rated value 54 V  operational current / of the signaling contacts • at DC / maximum 0.1 A  supply voltage, current consumption, power loss product component / connection for redundant voltage supply supplied active power / of PSE / with POE • total / maximum 260 W	ansfer rate	
number of electrical ports / maximum 6 number of electrical ports / with PoE / maximum 2 interfaces / for communication / integrated number of electrical connections	ransfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
number of electrical ports / with PoE / maximum  number of optical ports / maximum  number of optical ports / maximum  electrical connections  of or network components or terminal equipment  number of 10/100/1000 Mbit/s RJ45 ports / integrated  owith securing collar  with securing collar / with PoE  number of electrical connections  of or SFP  2  Interfaces / for communication / plug-in  number of electrical connections  of or SFP+  2: SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S  1(LD) A possible  interfaces / other  number of electrical connections  of or operator console  of or signaling contact  type of electrical connection  of or operator console  of or signaling contact  type of electrical connection  of or operator console  of or signaling contact  of or signaling contact  of or power supply  design of the removable storage  o-C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts  other operator consoured of the signaling contacts  other operator on operator on operator consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  otal / maximum  260 W	terfaces / for communication / maximum configuration for modu	ular devices
number of optical ports / maximum 2  Interfaces / for communication / integrated  number of electrical connections  • for network components or terminal equipment  • with securing collar / with PoE  • with securing collar / with PoE  number of electrical connections  • for SFP  2  Interfaces / for communication / plug-in  number of electrical connections  • for SFP+  2: SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  Interfaces / other  number of electrical connections  • for operator console  • for power supply  design of the removable storage  • C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	number of electrical ports / maximum	6
Interfaces / for communication / Integrated  number of electrical connections  • for network components or terminal equipment  number of 10/100/1000 Mbil/s RJ45 ports / integrated  • with securing collar / with PoE  number of electrical connections  • for SFP  2  Interfaces / for communication / plug-in  number of electrical connections  • for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  Interfaces / other  number of electrical connections  • for operator console  • for power supply  design of the removable storage  • C-PLUG  yes  signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	number of electrical ports / with PoE / maximum	6
number of electrical connections  • for network components or terminal equipment  number of 10/10/000 Mbit/s RJ45 ports / integrated  • with securing collar  • with securing collar / with PoE  number of electrical connections  • for SFP  2  interfaces / for communication / plug-in  number of electrical connections  • for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  interfaces / other  number of electrical connections  • for operator console  • for signaling contact  • for operator by design of the removable storage  • C-PLUG  design of the removable storage  • C-PLUG  operating voltage / of the signaling contacts  • at DC / rated value  operating voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  6; RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (60 W)  6 RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according 802.3bt (10 W)  6 RJ45  4 PoE ports according to I	number of optical ports / maximum	2
• for network components or terminal equipment number of 10/100/1000 Mbit/s RJ45 ports / integrated • with securing collar • with securing collar / with PoE • with securing collar / with PoE  number of electrical connections • for SFP  2  Interfaces / for communication / plug-in number of electrical connections • for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  Interfaces / other  number of electrical connections • for operator console • for signaling contact 1 type of electrical connection • for operator console • for signaling contact • for signaling contact • for signaling contact • for power supply design of the removable storage • C-PLUG  perating voltage / of the signaling contacts • at DC / rated value  operating voltage, current consumption, power loss product component / connection for redundant voltage supply  suppled active power / of PSE / with PoE • total / maximum  6; RJ45  4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3at (30 W)	terfaces / for communication / integrated	
number of 10/100/1000 Mbit/s RJ45 ports / integrated  • with securing collar  • with securing collar / with PoE  number of electrical connections  • for SFP  2  interfaces / for communication / plug-in  number of electrical connections  • for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  interfaces / other  number of electrical connections  • for operator console  • for operator console  • for signaling contact  type of electrical connection  • for power supply  design of the removable storage  • C-PLUG  yes  signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  stotal / maximum  260 W	number of electrical connections	
with securing collar with PoE	• for network components or terminal equipment	6; RJ45
with securing collar / with PoE	number of 10/100/1000 Mbit/s RJ45 ports / integrated	
number of electrical connections	with securing collar	4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W)
• for SFP 2  interfaces / for communication / plug-in  number of electrical connections • for SFP+ 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  interfaces / other  number of electrical connections • for operator console 1 • for signaling contact 1  type of electrical connection • for operator console RJ11 • 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 54 V operational current / of the signaling contacts • at DC / maximum 0.1 A  supply voltage, current consumption, power loss product component / connection for redundant voltage supply supplied active power / of PSE / with PoE • total / maximum 260 W	with securing collar / with PoE	6
interfaces / for communication / plug-in  number of electrical connections  • for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  interfaces / other  number of electrical connections  • for operator console  • for signaling contact  • for operator console  • for signaling contact  • for power supply  design of the removable storage  • C-PLUG  Signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  11  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1,000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1,000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1,000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1,000 Mbps or 10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1,000 Mbps or 10,000 Mps or 10,0	number of electrical connections	
number of electrical connections  • for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  interfaces / other  number of electrical connections  • for operator console  • for signaling contact  • for operator console  • for signaling contact  • for signaling contact  • for power supply  design of the removable storage  • C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S  1(LD) A possible  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or 10,000 Mbps or 10,000 Mbps possible; 100 Mbps with S  10,000 Mbps or	• for SFP	2
• for SFP+  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  interfaces / other  number of electrical connections  • for operator console • for signaling contact  type of electrical connection  • for operator console • for operator console • for signaling contact  • for power supply  design of the removable storage • C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts • at DC / rated value  operational current / of the signaling contacts • at DC / maximum  operational current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE • total / maximum  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1  2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with S 1(LD) A possible  1  1  4  5  5  6  6  7  6  7  6  7  7  8  7  8  7  8  7  8  7  8  7  8  7  8  7  8  7  8  8	terfaces / for communication / plug-in	
Interfaces / other  number of electrical connections  • for operator console • for signaling contact  type of electrical connection • for operator console • for signaling contact  • for operator console • for signaling contact • for power supply • for signaling contact • for power supply  design of the removable storage • C-P-LUG  *Yes  **signal inputs/outputs**  operating voltage / of the signaling contacts • at DC / rated value  operational current / of the signaling contacts • at DC / maximum  0.1 A  **supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE • total / maximum  260 W	number of electrical connections	
number of electrical connections  • for operator console • for signaling contact  type of electrical connection  • for operator console • for signaling contact • for signaling contact • for power supply  design of the removable storage • C-PLUG  **Signal inputs/outputs*  operating voltage / of the signaling contacts • at DC / rated value  operational current / of the signaling contacts • at DC / maximum  0.1 A  **supply voltage, current consumption, power loss*  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE • total / maximum  2 1  1 1  2 - pole terminal block  4 - pole terminal block  4 - pole terminal block  4 - pole terminal block  5 4 V  5 4 V  5 4 V  5 5 4 V  5 5 4 V  5 5 5 4 V  5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	• for SFP+	2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible
• for operator console     • for signaling contact  type of electrical connection     • for operator console     • for signaling contact     • for signaling contact     • for power supply  design of the removable storage     • C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts     • at DC / rated value     operational current / of the signaling contacts     • at DC / maximum  O.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE     • total / maximum  260 W	terfaces / other	
for signaling contact     type of electrical connection         • for operator console         • for signaling contact         • for signaling contact         • for power supply         • for power supply         • C-PLUG	number of electrical connections	
type of electrical connection  • for operator console • for signaling contact • 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  operational current / of the signaling contacts • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE • total / maximum  2-pole terminal block  4-pole terminal block  54 V  54 V  54 V  55 V  56 V  76 V  77 S  78	for operator console	1
for operator console         for signaling contact	for signaling contact	1
• for signaling contact     • 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     operational current / of the signaling contacts     • at DC / maximum     0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE     • total / maximum     260 W	ype of electrical connection	
for power supply  design of the removable storage         C-PLUG  Signal inputs/outputs  operating voltage / of the signaling contacts	• for operator console	RJ11
design of the removable storage  • C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	for signaling contact	2-pole terminal block
C-PLUG  signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  Yes  260 W	for power supply	4-pole terminal block
signal inputs/outputs  operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	design of the removable storage	
operating voltage / of the signaling contacts  • at DC / rated value  operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	• C-PLUG	Yes
at DC / rated value  operational current / of the signaling contacts  at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  total / maximum  260 W	gnal inputs/outputs	
operational current / of the signaling contacts  • at DC / maximum  0.1 A  supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	operating voltage / of the signaling contacts	
<ul> <li>at DC / maximum</li> <li>supply voltage, current consumption, power loss</li> <li>product component / connection for redundant voltage supply</li> <li>supplied active power / of PSE / with PoE</li> <li>total / maximum</li> <li>260 W</li> </ul>	at DC / rated value	54 V
supply voltage, current consumption, power loss  product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	operational current / of the signaling contacts	
product component / connection for redundant voltage supply  supplied active power / of PSE / with PoE  • total / maximum  260 W	• at DC / maximum	0.1 A
supplied active power / of PSE / with PoE  • total / maximum  260 W	pply voltage, current consumption, power loss	
• total / maximum 260 W	product component / connection for redundant voltage supply	Yes
	supplied active power / of PSE / with PoE	
	total / maximum	260 W
type of voltage / 1 / of the supply voltage DC	type of voltage / 1 / of the supply voltage	DC

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<ul><li>supply voltage / 1 / rated value</li></ul>	54 V
<ul><li>power loss [W] / 1 / rated value</li></ul>	10 W
<ul><li>supply voltage / 1 / rated value</li></ul>	52 57 V
• consumed current / 1 / maximum	5 A
<ul> <li>product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	15 A / 125 V
ambient conditions	
ambient temperature	
during operation	-40 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
• note	installation position and SFPs used during the operation have to be considered (see manual)
relative humidity	
<ul> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.54 kg
product feature / conformal coating	No
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	, , , ,
35 mm top hat DIN rail mounting	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
product features, product functions, product components / gene	
cascading in the case of a redundant ring / at reconfiguration	50
time of <\~0.3\~s	
cascading in cases of star topology	any (depending only on signal propagation time)
product function / QoS according to DSCP	Yes
product feature	
<ul> <li>Cut Through switching method</li> </ul>	No
Store & Forward switching method	Yes
product functions / management, configuration, engineering	
product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
TRAPs via email	Yes
<ul><li>configuration with STEP 7</li></ul>	Yes
• RMON	Yes
SMTP server	No
• port mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET IO diagnosis  PROFINET conformity class	Yes B
PROFINET conformity class	В
PROFINET conformity class network load class / according to PROFINET	B 3
PROFINET conformity class network load class / according to PROFINET product function / switch-managed	B 3 Yes
PROFINET conformity class network load class / according to PROFINET product function / switch-managed telegram length / for Ethernet / maximum	B 3 Yes
PROFINET conformity class network load class / according to PROFINET product function / switch-managed telegram length / for Ethernet / maximum protocol / is supported	B 3 Yes 10240 byte
PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet	B 3 Yes 10240 byte Yes
PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • HTTP	B 3 Yes 10240 byte  Yes Yes
PROFINET conformity class  network load class / according to PROFINET  product function / switch-managed  telegram length / for Ethernet / maximum  protocol / is supported  • Telnet  • HTTP  • HTTPS	B 3 Yes 10240 byte  Yes Yes Yes

• GMRP	Yes
• DCP	Yes
• LLDP	Yes
EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
<ul> <li>IGMP (snooping/querier)</li> </ul>	Yes
identification & maintenance function	
<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
<ul> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	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	
	Yes
<ul> <li>VLAN - port based</li> <li>VLAN - protocol-based</li> </ul>	Yes No
•	
VLAN - IP-based  Allow (maximum)	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
protocol / is supported / GVRP	Yes
product functions / DHCP	163
product function	
DHCP server	Yes
	Yes
DHCP client	
DHCP Option 82	Yes
DUOD O II OO	N/
DHCP Option 66  DUOD 0 1: 027	Yes
DHCP Option 67	Yes Yes
DHCP Option 67 product functions / redundancy	
DHCP Option 67  product functions / redundancy  product function	Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET	
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy	Yes
DHCP Option 67      product functions / redundancy      product function	Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)	Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy	Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager	Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy	Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby	Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy	Yes Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)	Yes Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager	Yes Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy	Yes Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function  of the PROFINET IO device / is supported / PROFINET system redundancy  ring redundancy  High Speed Redundancy Protocol (HRP)  high speed redundancy protocol (HRP) with redundancy manager  high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function  media redundancy protocol (MRP) with redundancy manager  Media Redundancy Protocol Interconnection (MRP-I)  of the PROFINET IO device / is supported / H-Sync	Yes Yes Yes Yes Yes Yes Yes Yes Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding	Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     high Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy     ring redundancy     high Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy     ining redundancy     high Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP     redundancy procedure RSTP+	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy     ining redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP     redundancy procedure RSTP+     redundancy procedure MSTP	Yes
DHCP Option 67  product functions / redundancy  product function     of the PROFINET IO device / is supported / PROFINET system redundancy     ining redundancy     High Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP     redundancy procedure RSTP+	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy     ining redundancy     high Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP     redundancy procedure RSTP+     redundancy procedure MSTP     Parallel Redundancy Protocol (PRP)/operation in the PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy      ring redundancy      High Speed Redundancy Protocol (HRP)      high speed redundancy protocol (HRP) with redundancy manager      high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function      media redundancy protocol (MRP) with redundancy manager      Media Redundancy Protocol Interconnection (MRP-I)      of the PROFINET IO device / is supported / H-Sync forwarding      redundancy procedure STP      redundancy procedure RSTP      redundancy procedure RSTP      redundancy procedure MSTP      Parallel Redundancy Protocol (PRP)/operation in the PRP-network      Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy     ining redundancy     high Speed Redundancy Protocol (HRP)     high speed redundancy protocol (HRP) with redundancy manager     high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function     media redundancy protocol (MRP) with redundancy manager     Media Redundancy Protocol Interconnection (MRP-I)     of the PROFINET IO device / is supported / H-Sync forwarding     redundancy procedure STP     redundancy procedure RSTP     redundancy procedure RSTP     redundancy procedure MSTP     Parallel Redundancy Protocol (PRP)/operation in the PRP-network     Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)     passive listening	Yes
DHCP Option 67  product functions / redundancy  product function      of the PROFINET IO device / is supported / PROFINET system redundancy      ring redundancy      High Speed Redundancy Protocol (HRP)      high speed redundancy protocol (HRP) with redundancy manager      high speed redundancy protocol (HRP) with standby redundancy  protocol / is supported / Media Redundancy Protocol (MRP)  product function      media redundancy protocol (MRP) with redundancy manager      Media Redundancy Protocol Interconnection (MRP-I)      of the PROFINET IO device / is supported / H-Sync forwarding      redundancy procedure STP      redundancy procedure RSTP      redundancy procedure RSTP      redundancy procedure MSTP      Parallel Redundancy Protocol (PRP)/operation in the PRP-network      Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes

product functions / security	
•	
product function	Yes
• IEEE 802.1x (radius)	
<ul><li>broadcast/multicast/unicast limiter</li><li>broadcast blocking</li></ul>	Yes Yes
	res
protocol / is supported	Voc
• SSH • SSL	Yes
	Yes
product functions / time	
product function	Voc
<ul><li>SICLOCK support</li><li>NTP-client</li></ul>	Yes Yes
SNTP client	Yes
protocol / is supported	165
NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	Yes
system modification during operation	165
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	160
standard standard	
	EN 61000 6 4:2001 (Class A)
<ul><li>for emitted interference</li><li>for interference immunity</li></ul>	EN 61000-6-4:2001 (Class A) EN 61000-6-2:2001
IT security for industrial automation systems / according to IEC	Yes
62443-4-2:2019	165
MTBF	37 a
reference code	
<ul><li>according to IEC 81346-2</li></ul>	KF
<ul> <li>according to IEC 81346-2:2019</li> </ul>	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
<ul> <li>for EMC interference emission</li> </ul>	EN 61000-6-4, EN 50121-4
• for immunity to EMC	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
<ul><li>for ATEX / as marking</li></ul>	II 3 G Ex ec IIC T4 Gc
• IECEx	Yes
• for IECEx / as marking	Ex ec IIC T4 Gc
<ul> <li>CCC / for hazardous zone according to GB standard</li> </ul>	Yes
CCC / for hazardous zone according to GB standard / as     marking.	Ex nA IIC T4 Gc
marking ● for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
for CULus HazLoc / as marking     FM registration	Yes; FM Class 3600:2018, FM Class 3611:2021, FM Class 3810:2021,
♥ Fivi registration	ANSI/UL 121201:2017, ANSI/UL 61010-1:2018
• for FM / as marking	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
standards, specifications, approvals / other	
certificate of suitability	
KC approval	Yes
• railway application in accordance with EN 50121-4	Yes
<ul> <li>Regulatory Compliance Mark (RCM)</li> </ul>	Yes
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)
EAC approval	Yes
standards, specifications, approvals / Environmental Product Do	eclaration
Environmental Product Declaration	Yes
<ul> <li>Global Warming Potential [CO2 eq] / total</li> </ul>	491.2 kg

manufacturing • Global Warming Potential [CO2 eg] / during operation 438.3 kg • global warming potential [CO2 eq] / after end of life 0.62 kg product extension / optional / C-PLUG 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 http://www.siemens.com/cax to website: CAx-Download-Manager • 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, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-ofthe-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6) Approvals / Certificates General Product Ap-**Declaration of Con-**For use in hazardous locations proval formity **Miscellaneous** ATEX-Zone 2-Declara-CCC-Ex <u>FM</u> tion **Declaration of Con-Environment** 

other



PROFINET-Certifica-<u>tion</u>



last modified:

10/27/2023