SIEMENS

Data sheet

6GK5206-2BD00-2AC2



SCALANCE XC206-2 manageable Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100 Mbit/s RJ45 ports; 2x 100 Mbit/s SC-ports, 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall; redundancy functions; office features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-PLUG slot.

product type designation	SCALANCE XC206-2			
transfer rate				
transfer rate	10 Mbit/s, 100 Mbit/s			
interfaces / for communication / maximum configuration for modular devices				
number of electrical ports / maximum	6			
number of optical ports / maximum	2			
interfaces / for communication / integrated				
number of electrical connections				
 for network components or terminal equipment 	6; RJ45			
number of 10/100 Mbit/s RJ45 ports / integrated				
• with securing collar	6			
number of 100 Mbit/s SC ports				
for multimode	2			
interfaces / other				
number of electrical connections				
 for operator console 	1			
 for signaling contact 	1			
 for power supply 	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	24 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	Yes			
type of voltage / 1 / of the supply voltage	DC			
 supply voltage / 1 / rated value 	24 V			
 power loss [W] / 1 / rated value 	6 W			
 consumed current / 1 / at rated supply voltage / maximum 	0.25 A			
 supply voltage / 1 / rated value 	9.6 31.2 V			
 consumed current / 1 / maximum 	0.5 A			
 type of electrical connection / 1 / for power supply 	4-pole terminal block			
 product component / 1 / fusing at power supply input 	Yes			
 fuse protection type / 1 / at input for supply voltage 	2.5 A / 125 V			



ambient conditions		
ambient temperature		
during operation	-40 +70 °C	
during storage	-40 +85 °C	
during transport	-40 +85 °C	
relative humidity		
 at 25 °C / without condensation / during operation / 	95 %	
maximum		
protection class IP	IP20	
design, dimensions and weights		
design	compact	
width	60 mm	
height	147 mm	
depth	125 mm	
net weight	0.54 kg	
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 / gen	eral	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50	
cascading in cases of star topology	any (depending only on signal propagation time)	
product function / QoS according to DSCP	Yes	
product feature		
 Cut Through switching method 	No	
 Store & Forward switching method 	Yes	
product functions / management, configuration, engineering		
product function		
• CLI	Yes	
 web-based management 	Yes	
MIB support	Yes	
• TRAPs via email	Yes	
 configuration with STEP 7 	Yes	
• RMON	Yes	
SMTP server	No	
• 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	1632 byte	
protocol / is supported		
• Telnet	Yes	
• HTTP	Yes	
• HTTPS	Yes	
• TFTP	Yes	
• BOOTP	No	
• 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	
- Iamo - actice-specific information	1.00	



 I&M1 - higher level designation/location designation 	Yes
product function	
is supported / identification link	Yes; according to IEC 61406-1:2022
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
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	
product function	
DHCP server	Yes
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / redundancy	
 product function of the PROFINET IO device / is supported / PROFINET system redundancy 	Yes
 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
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
passive listening	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
product function	
• 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	
SICLOCK support	Yes
NTP-client	Yes
SNTP client	Yes
protocol / is supported	
NTP	Yes
• SNTP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
standard	EMIQUEQUEZY
• for FM	FM19US0167X
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	46 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
product conformity / according to EMC-guideline	2014/30/EU
standard	
for EMC interference emission	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	165, 2011/03/20
certificate of suitability	
• ATEX	Yes; EN 60079-0, EN 60079-15 II 3 G Ex nA II T4 Gc
• for ATEX / as marking	
• for ATEX / as certificate	KEMA 07ATEX0145 X
IECEx for IECEx (on marking	Yes; IEC 60079-0, IEC 60079-15
• for IECEx / as marking	Ex nA II T4 GC
for IECEx / as certificate	IECEX DEK 14.0025X
CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
 CCC / for hazardous zone according to GB standard / as marking 	Ex nA IIC T4 Gc
 for cULus HazLoc / as marking 	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
• FM registration	Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004
● for FM / as marking	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
• for FM / as certificate	FM16US0205X
standards, specifications, approvals / other	
certificate of suitability	
 railway application in accordance with EN 50121-4 	Yes
Regulatory Compliance Mark (RCM)	Yes
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)
• for UL 60950-1 / as File Nr.	E115352 (NWGQ, NWGQ7)
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
Korean Register of Shipping (KRS)	Yes
Lloyds Register of Shipping (LRS)	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
Polski Rejestr Statkow (PRS)	Yes
Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product De	
Environmental Product Declaration	
	Yes



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PROFINET-Certification



last modified:

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