

Product type designation

SCALANCE XC206-2SFP

SCALANCE XC206-2SFP MANAGEABLE LAYER 2 IE-SWITCH; 6X 10/100 MBIT/S RJ45 PORTS; 2X 100/1000 MBIT/S SFP; 1X CONSOLE PORT; DIAGNOSTICS-LED; REDUNDANT POWER SUPPLY; TEMP RANGE -40°C UP TO +70°C; MOUNTING WALL/ DINRAIL, S7 DINRAIL; C-PLUG SLOT; REDUNDANCY FUNCTIONS; OFFICE FEATURES(RSTP,VLAN,...); PROFINET IO-DEVICE; ETHERNET/IP-CONFORMAL;



Transmission 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	6; RJ45

Number of 10/100 Mbit/s RJ45 ports / Integrated	
• with securing collar	6

Number of electrical connections	
• for SFP	2

Interfaces / for communication / pluggable / maximum

Number of electrical connections	
• for SFP	2; 100 Mbit/s or 1000 Mbit/s SFP plug-in transceiver

Interfaces / others

Number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1

• for redundant voltage supply	1
Type of electrical connection	
• for operator console	RJ11 port
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes

Signal-Inputs/outputs

Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	9.6 ... 31.2 V
Supply voltage / 4 / Rated value	
• Consumed current / 4 / at rated supply voltage / maximum	0.25 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	2.5 A / 125 V
Consumed current / maximum	0.5 A
Power loss [W]	
• at DC / at 24 V	6 W

Permitted 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 / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	compact
Width	60 mm
Height	147 mm
Depth	125 mm
Net weight	0.52 kg
Material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum

Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
Product properties, functions, components / general	
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 functions / management, configuration	
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
• 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
• IGMP (snooping/querier)	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes
Protocol / is supported	
• SNMP v1	Yes

• SNMP v2	Yes
• SNMP v3	Yes

Product functions / Diagnosis

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	257
Number of VLANs - dynamic / maximum	257
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
Product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure MSTP	Yes

<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	No
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
<ul style="list-style-type: none"> • Passive listening 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • LACP 	Yes

Product functions / Security

Product function	
<ul style="list-style-type: none"> • IEEE 802.1x (radius) 	Yes
<ul style="list-style-type: none"> • Broadcast/Multicast/Unicast Limiter 	Yes
<ul style="list-style-type: none"> • broadcast blocking 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes
<ul style="list-style-type: none"> • SSL 	Yes

Product functions / Time

Product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
<ul style="list-style-type: none"> • NTP-client 	Yes
<ul style="list-style-type: none"> • SNTP client 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • NTP 	Yes
<ul style="list-style-type: none"> • SNTP 	Yes

Standards, specifications, approvals

Certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
Standard	
<ul style="list-style-type: none"> • for EMC interference emission 	EN 61000-6-4, EN 50121-4
<ul style="list-style-type: none"> • for immunity to EMI 	EN 61000-6-2, EN 50121-4
Certificate of suitability / RoHS conformity	Yes; 2011/65/EU
Certificate of suitability	
<ul style="list-style-type: none"> • ATEX 	Yes
<ul style="list-style-type: none"> • IECEx 	Yes
Certificate of suitability	
<ul style="list-style-type: none"> • Railway application in accordance with EN 50121-4 	Yes
<ul style="list-style-type: none"> • Regulatory Compliance Mark (RCM) 	Yes
<ul style="list-style-type: none"> • EAC approval 	Yes
MTBF / at 40 °C	47.06 y

Accessories

Product extension / optional / C-PLUG	Yes
---------------------------------------	-----

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- to website: Industry Mall <https://mall.industry.siemens.com>
- to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAx Download Manager <http://www.siemens.com/cax>
- to website: Industry Online Support <https://support.industry.siemens.com>

Security information

Security information

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:

02/08/2017