



SCALANCE XC206-2SFP manageable layer 2 IE Switch; 6x 10/100 MBit/s RJ45 ports; 2x 100/1000 MBit/s SFP; 1x console port; Diagnostic LED; Redundant power supply; Temp. range -40°C to +70 °C Mounting: Standard Mounting Rail/S7 Profile Rail/Wall Office redundancy functions features (RSTP, VLAN ,...); PROFINET IO Device; Ethernet/IP compliance C-PLUG shaft;

Product type designation	SCALANCE
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
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	RJ11 2-pole terminal block 4-pole terminal block
design of the removable storage	Yes

Signal-Inputs/outputs

Operating voltage / of the signaling contacts	24 V
Operating current / of the signaling contacts	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	24 V
external / minimum	9.6 V
external / maximum	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]	6 W

Permitted ambient conditions

Ambient temperature	-40 ... +70 °C
during operation	-40 ... +85 °C
during storage	-40 ... +85 °C
during transport	
Relative humidity	95 %
at 25 °C / without condensation / during operation / maximum	
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 $\sim 0.3\text{ s}$	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

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
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes

<ul style="list-style-type: none"> • IGMP (snooping/querier) 	Yes
Identification & maintenance function	
<ul style="list-style-type: none"> • I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> • I&M1 – higher-level designation/location designation 	Yes

Product functions / Diagnosis

Product function	
<ul style="list-style-type: none"> • Port diagnostics 	Yes
<ul style="list-style-type: none"> • Statistics Packet Size 	Yes
<ul style="list-style-type: none"> • Statistics packet type 	Yes
<ul style="list-style-type: none"> • Error statistics 	Yes
<ul style="list-style-type: none"> • SysLog 	Yes

Product functions / VLAN

Product function	
<ul style="list-style-type: none"> • VLAN - port based 	Yes
<ul style="list-style-type: none"> • VLAN - protocol-based 	No
<ul style="list-style-type: none"> • VLAN - IP-based 	No
<ul style="list-style-type: none"> • VLAN dynamic 	Yes
Number of VLANs / maximum	257
Number of VLANs - dynamic / maximum	257
Protocol / is supported / GVRP	Yes

Product functions / DHCP

Product function	
<ul style="list-style-type: none"> • DHCP server 	Yes
<ul style="list-style-type: none"> • DHCP client 	Yes
<ul style="list-style-type: none"> • DHCP Option 82 	Yes
<ul style="list-style-type: none"> • DHCP Option 66 	Yes
<ul style="list-style-type: none"> • DHCP Option 67 	Yes

Product functions / Redundancy

Product function	
<ul style="list-style-type: none"> • Ring redundancy 	Yes
<ul style="list-style-type: none"> • High Speed Redundancy Protocol (HRP) 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	Yes

• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure MSTP	Yes
• 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

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 EMI	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
• IECEx	Yes
• FM registration	Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability	
• Railway application in accordance with EN 50121-4	Yes
• Regulatory Compliance Mark (RCM)	Yes
• EAC approval	Yes

Standards, specifications, approvals / ship classification

Marine classification association

- | | |
|---|-----|
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • DNV GL | Yes |
| • Polski Rejestr Statkow (PRS) | Yes |

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

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