SIEMENS

Data sheet

6GK5206-1BC00-2AF2

Product type designation



SCALANCE XF206-1

SCALANCE XF206-1, FLAT, MANAGED IE SWITCH, 6 X 10/100MBIT/S RJ45 PORTS, 1 X 100MBIT/S FO PORT, FAULT SIGNAL CONTACT WITH SET- BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORKMANAGEMENT, RED.- MANAGER INTEGRATED, INCL. MANUAL ON CD, C-PLUG OPTIONAL

Transmission rate			
Transfer rate	10 Mbit/s, 100 Mbit/s		
Interfaces			
Number of electrical/optical connections			
for network components or terminal equipment/ maximum	7		
Number of electrical connections			
• for network components or terminal equipment	6		
Type of electrical connection			
• for network components or terminal equipment	RJ45 port		
Number of optical interfaces			
for fiber optic cable / at 100 Mbit/s	1		
Design of the optical interface			
for fiber optic cable / at 100 Mbit/s	BFOC port (multimode up to 5 km)		
Connectable optical power relative to 1 mW			
 of the transmitter output 	-1914		
Damping ratio / of the FOC transmission link / minimum necessary	0 dB		
Range / at the optical interface / depending on the optical fiber used	0 5 km		
Interfaces / for communication / integrated			
Number of 100 Mbit/s ST(BFOC) ports			
• for multimode	1		
Number of 100 Mbit/s SC ports			

• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
Number of electrical connections	
 for signaling contact 	1
• for power supply	1
for redundant voltage supply	1
Type of electrical connection	
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	
• for DC / Rated value	24 V
Operating current / of the signaling contacts	
• for 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	18 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	1.1 A / 33 V
Consumed current / maximum	0.17 A
Active power loss	
• for DC / at 24 V	4.08 W
Permitted ambient conditions	
Ambient temperature	
during operation	-40 +60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
Note	If the IE switch XF 200 is installed horizontally a maximum
	ambient temperature of +40 °C is permitted
Relative humidity	
• at 25 °C / without condensation / during	95 %
operation / maximum	
Protection class IP	IP20

Piat	Design, dimensions and weight			
Height Depth 73 mm Net weight Net weight O.25 kg	Design	Flat		
Depth	Width	75 mm		
Net weight 0.25 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting No • S7-300 rail mounting No • S7-1500 rail mounting No Product properties, functions, components / general Cascading in the case of a redundant ring / at reconfiguration time of <\0.03\∞s	Height	125 mm		
Abounting type • 35 mm DIN rail mounting • wall mounting • wall mounting • S7-300 rail mounting • S7-300 rail mounting • S7-1500 rail mounting No Product properties, functions, 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 Product functions / management • CLI • web-based management • MIB support • TRAP's via email • Configuration with STEP 7 • Port mirroring • multiport mirroring • multiport mirroring • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed • Telnet • HTTP • HTTP • HTTP • HTTP • FTP • BOOTP • BOOTP • LLDP Identification & maintenance function • I&M0 - device-specific information • I&M1 - higher-level designation/location	Depth	73 mm		
* 35 mm DIN rail mounting * wall mounting * wall mounting * S7-300 rail mounting * S7-300 rail mounting * S7-1500 rail mounting * No Product properties, functions, components / general Cascading in the case of a redundant ring / at reconfiguration time of <\0.03\0.5 s Cascading in cases of star topology any (depending only on signal propagation time) Product functions / management, configuration Product functions / management, configuration Product functions / management * CLI * Yes * * * * * * * * * * * * * * * * *	Net weight	0.25 kg		
• wall mounting • S7-300 rail mounting • S7-300 rail mounting • S7-300 rail mounting • S7-1500 rail mounting No Product properties, functions, 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 • CLI • Yes • Web-based management Yes • Milb support Yes • TRAPs via email Yes • Configuration with STEP 7 Yes • Port mirroring Yes • multiport mirroring No • with IRT / PROFINET IO switch No • PROFINET IO diagnosis Yes • switch-managed Yes Protocol / is supported • Telnet Yes • HTTP • HT	Mounting type			
• \$7-300 rail mounting • \$77-1500 rail mounting No Product properties, functions, 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 Product functions • CLI • web-based management • MiB support • TRAPs via email • Configuration with STEP 7 • Port mirroring • multiport mirroring • multiport mirroring • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed Protocol / is supported • Telnet • TEID • TEI	• 35 mm DIN rail mounting	Yes		
• \$7-1500 rall mounting Product properties, functions, 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 Product function • CLI • web-based management • Yes • MIB support • TRAPs via email • Configuration with STEP 7 • Port mirroring • multiport mirroring • multiport mirroring • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed • Telnet • Telnet • TEIP • HTTP • Yes • FTFP • BOOTP • BOOTP • DCP • LLDP Identification & maintenance function • I&M0 - device-specific information • I&M1 - higher-level designation/location designation	wall mounting	No		
Product properties, functions, 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 Product function • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • Port mirroring • multiport mirroring • multiport Io diagnosis • switch-managed • Telnet •	 S7-300 rail mounting 	No		
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Product function CLI web-based management MIB support TRAPs via email Configuration with STEP 7 Port mirroring multiport mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed Protocol / is supported Telnet HTTP HTTP HTTP HTTP HTTP PEP HTTPS TETP BOOTP BOOTP CDC LLDP LLDP Identification & maintenance function I &MO - device-specific information Yes Yes Yes Yes Identification & maintenance function I &MO - device-specific information Yes Yes Yes Yes Yes Identification & maintenance function I &MO - device-specific information Yes Yes Yes Yes Yes Identification & maintenance function I &MO - device-specific information Yes Yes	Cascading in cases of star topology	any (depending only on signal propagation time)		
CLI web-based management Yes MIB support TRAPs via email Configuration with STEP 7 Port mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed Protocol / is supported Telnet HTTP HTTP HTTP HTTP HTTP Syes TFTP BOOTP BOOTP LLDP Identification & maintenance function I &MO - device-specific information I &MO - device-specific information Yes Yes Yes Yes Wes HMI - higher-level designation/location designation				
web-based management Web yes MIB support TRAPs via email Configuration with STEP 7 Yes Port mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis yes switch-managed Yes Protocol / is supported Telnet Yes HTTP Yes HTTPS Yes TFTP Yes BOOTP BOOTP LLDP Identification & maintenance function I&M0 - device-specific information I&M0 - device-specific information I&M1 - higher-level designation/location designation	Product function			
MIB support TRAPs via email TRAPs via email Configuration with STEP 7 Yes Port mirroring Multiport mirroring Multiport mirroring With IRT / PROFINET IO switch PROFINET IO diagnosis Yes switch-managed Yes Protocol / is supported Telnet Yes HTTP Yes HTTP Yes HTTPS Yes TFTP STEP BOOTP BOOTP LLDP Identification & maintenance function I &MO - device-specific information Yes Yes Yes	• CLI	Yes		
TRAPs via email Configuration with STEP 7 Yes Port mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed Yes Protocol / is supported Telnet HTTP HTTP Yes HTTPS TFTP SPOTP FTP SOOTP BOOTP LLDP Identification & maintenance function Is M0 - device-specific information Yes Is M1 - higher-level designation/location designation Yes	web-based management	Yes		
Configuration with STEP 7 Port mirroring multiport mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed Protocol / is supported Telnet Telnet HTTP HTTPS HTTPS TETP HODE FIP BOOTP BOOTP LLDP Identification & maintenance function I &MO - device-specific information Yes Identification Yes	 MIB support 	Yes		
Port mirroring multiport	• TRAPs via email	Yes		
 multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed Yes Protocol / is supported Telnet HTTP HTTP HTTPS TETP FTP BOOTP BOOTP LLDP Identification & maintenance function I&M0 - device-specific information Yes Yes Identification Yes Ismal part of the property of th	 Configuration with STEP 7 	Yes		
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PROFINET IO diagnosis switch-managed Protocol / is supported Telnet Telnet HTTP HTTPS HTTPS TEFTP FTP BOOTP BOOTP LLDP Identification & maintenance function I&M0 - device-specific information I &M1 - higher-level designation/location designation Yes Yes Yes Yes Yes Yes Yes Ye	 multiport mirroring 	No		
 switch-managed Protocol / is supported Telnet HTTP HTTP HTTPS HTTP Yes TFTP FTP BOOTP DCP LLDP Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation 	with IRT / PROFINET IO switch	No		
Protocol / is supported • Telnet • HTTP • HTTPS • HTTPS • HTTPS • TFTP • FTP • FTP • BOOTP • DCP • LLDP Identification & maintenance function • I&M0 - device-specific information • I&M1 - higher-level designation/location designation	 PROFINET IO diagnosis 	Yes		
 Telnet HTTP Yes HTTPS Yes TFTP FTP BOOTP DCP LLDP Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation 	• switch-managed	Yes		
 HTTP HTTPS Yes TFTP FTP BOOTP DCP LLDP Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation 	Protocol / is supported			
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 TFTP FTP BOOTP DCP LLDP Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation 	• HTTP	Yes		
FTP BOOTP DCP LLDP Yes LLDP Yes Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation Yes	• HTTPS	Yes		
BOOTP OCP Yes LLDP Yes Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation Yes	• TFTP	Yes		
 DCP LLDP Identification & maintenance function I&M0 - device-specific information I&M1 - higher-level designation/location designation Yes Yes Yes	• FTP	Yes		
■ LLDP Yes Identification & maintenance function ■ I&M0 - device-specific information ■ I&M1 - higher-level designation/location designation Yes Yes Yes	• BOOTP	No		
Identification & maintenance function • I&M0 - device-specific information • I&M1 - higher-level designation/location designation Yes Yes	• DCP	Yes		
 I&M0 - device-specific information I&M1 - higher-level designation/location designation Yes Yes	• LLDP	Yes		
• I&M1 – higher-level designation/location Yes designation	Identification & maintenance function			
designation	 I&M0 - device-specific information 	Yes		
		Yes		

• 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
Product functions / DHCP	
Product function	
DHCP client	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 	No
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
Passive listening	Yes
Product functions / Security	
Protocol / is supported	
• SSH	Yes
Product functions / Time	
Product function	
SICLOCK support	Yes
Protocol / is supported	
• NTP	No
• SNTP	Yes
Standards, specifications, approvals	
Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X

for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1		
 for hazardous zone / from CSA and UL 	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 /		
	GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4		
 for emitted interference 	EN 61000-6-4:2001 (Class A)		
 for interference immunity 	EN 61000-6-2:2001		
Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001		
• CE marking	Yes		
• C-Tick	Yes		
KC approval	Yes		
 Railway application in accordance with EN 	No		
50155			
 Railway application in accordance with EN 	No		
50124-1			
Marine classification association			
 American Bureau of Shipping Europe Ltd. 	No		
(ABS)			
Bureau Veritas (BV)	No		
 Det Norske Veritas (DNV) 	No		
 Germanische Lloyd (GL) 	No		
 Lloyds Register of Shipping (LRS) 	No		
 Nippon Kaiji Kyokai (NK) 	No		
 Polski Rejestr Statkow (PRS) 	No		
MTBF / at 40 °C	43.52 y		

Further Information / Internet Links

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• to website: Selector SIMATIC NET

SELECTION TOOL

• to website: Industrial communication

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

• to website: CAx Download Manager

• to website: Industry Online Support

http://www.siemens.com/snst

http://www.siemens.com/simatic-net

https://mall.industry.siemens.com

http://www.siemens.com/automation/net/catalog

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

Security information

Security information

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