

### Product type designation

### SCALANCE XF204-2

SCALANCE XF204-2, FLAT, MANAGED IE SWITCH, 4 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S FO PORTS, 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
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### Interfaces / for communication / integrated

Number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	4
Number of 100 Mbit/s ST(BFOC) ports	
<ul style="list-style-type: none"> <li>for multimode</li> </ul>	2
Number of 100 Mbit/s SC ports	
<ul style="list-style-type: none"> <li>for multimode</li> </ul>	0
Number of 1000 Mbit/s LC ports	
<ul style="list-style-type: none"> <li>for multimode</li> <li>for single mode (LD)</li> </ul>	0 0

### Interfaces / others

Number of electrical connections	
<ul style="list-style-type: none"> <li>for signaling contact</li> <li>for power supply</li> <li>for redundant voltage supply</li> </ul>	1 1 1

Type of electrical connection	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 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	0.22 A
Power loss [W]	5.28 W

### Permitted ambient conditions

Ambient temperature	-40 ... +60 °C -40 ... +70 °C -40 ... +70 °C If the IE switch XF 200 is installed horizontally a maximum ambient temperature of +40 °C is permitted
Relative humidity	95 %
Protection class IP	IP20

### Design, dimensions and weight

Design	Flat
Width	75 mm
Height	125 mm
Depth	73 mm
Net weight	0.25 kg
Mounting type	Yes No No

- S7-1500 rail mounting

No

### Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of <math>\leq 0.3\text{ s}</math>

100

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
- with IRT / PROFINET IO switch
- PROFINET IO diagnosis
- switch-managed

Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
No  
No  
Yes  
Yes

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- FTP
- BOOTP
- DCP
- LLDP

Yes  
Yes  
Yes  
Yes  
Yes  
No  
Yes  
Yes

Identification & maintenance function

- I&M0 - device-specific information
- I&M1 – higher-level designation/location designation

Yes  
Yes

Protocol / is supported

- SNMP v1
- SNMP v2
- SNMP v3

Yes  
Yes  
Yes

### Product functions / Diagnosis

Product function

- Port diagnostics
- Statistics Packet Size
- Statistics packet type
- Error statistics

Yes  
Yes  
Yes  
Yes

### Product functions / DHCP

Product function	
<ul style="list-style-type: none"> <li>• DHCP client</li> </ul>	Yes

### Product functions / Redundancy

Product function	
<ul style="list-style-type: none"> <li>• Ring redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• High Speed Redundancy Protocol (HRP)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	No
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
<ul style="list-style-type: none"> <li>• media redundancy protocol (MRP) with redundancy manager</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Passive listening</li> </ul>	Yes

### Product functions / Security

Protocol / is supported	
<ul style="list-style-type: none"> <li>• SSH</li> </ul>	Yes

### Product functions / Time

Product function	
<ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul>	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>• NTP</li> </ul>	No
<ul style="list-style-type: none"> <li>• SNTP</li> </ul>	Yes

### Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> <li>• for FM</li> </ul>	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> <li>• for hazardous zone</li> </ul>	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
<ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> <li>• for hazardous zone / from CSA and UL</li> </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
<ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>	EN 61000-6-2:2001
Certificate of suitability / CE marking	Yes

Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
<ul style="list-style-type: none"> <li>• C-Tick</li> <li>• Railway application in accordance with EN 50155</li> <li>• Railway application in accordance with EN 50124-1</li> <li>• KC approval</li> </ul>	<p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p>
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Germanische Lloyd (GL)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Royal Institution of Naval Architects (RINA)</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>
MTBF / at 40 °C	43.58 y

#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

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