

Product-type designation

SCALANCE XF204IRT

SCALANCE XF204IRT, FLAT,
 MANAGED IE IRT SWITCH,
 4 X 10/100MBIT/S RJ45 PORTS,
 FAULT SIGNAL CONTACT WITH SET BUTTON,
 REDUNDANT POWER SUPPLY,
 PROFINET-IO DEVICE, NETWORK MANAGEMENT,
 RED.- MANAGER INTEGRATED,
 INCL. MANUAL ON CD, C-PLUG OPTIONAL



Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s

Interfaces

Number of electrical/optical connections	
<ul style="list-style-type: none"> • for network components or terminal equipment / maximum 	4
Number of electrical connections	
<ul style="list-style-type: none"> • for network components and terminal equipment • for signaling contact • for power supply • for redundant power supply 	4 1 1 1
Design of the electrical connection	
<ul style="list-style-type: none"> • for network components and terminal equipment • for signaling contact • for power supply 	RJ45 port 2-pole terminal block 4-pole terminal block
design of the removable storage / C-PLUG	Yes

Signal-Inputs/outputs

Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of / supply voltage	DC
Supply voltage / external	24 V
<ul style="list-style-type: none"> • minimum • maximum 	18 V 32 V
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	0,6 A / 60 V
Consumed current / maximum	0.2 A
Active power loss / at 24 V / for DC	4.8 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operating • during storage • during transport • Comment 	-40 ... +60 °C -40 ... +60 °C -40 ... +60 °C 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 operating / maximum	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	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting 	Yes No No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{ s}$	50
Cascading in cases of star structuring	Any (depending only on signal propagation time)
Product function	
<ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email • Configuration with STEP 7 • Port mirroring • for IRT / PROFINET IO switch • PROFINET IO diagnosis 	Yes Yes Yes Yes Yes No Yes Yes

• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher level designation/location designation	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
• Redundancy manager	Yes
• Standby redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• Media Redundancy Protocol (MRP)	Yes
• Parallel Redundancy Protocol (PRP)	No
• Passive listening	Yes
Protocol / is supported / PRP	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 EMC / from FM	FM3611: Class 1, Division 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 G Ex nA II T4, KEMA 07 ATEX 0145 X
• for safety / of CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous area / of 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 61000-6-4:2001
Verification of suitability	EN 61000-6-4:2001
• CE mark	Yes
• C-Tick	Yes
• KC approval	No
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• 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
Further Information / Internet Links	
Internet-Link	
• to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com
letzte Änderung:	Aug 6, 2014