

Product-type designation

SCALANCE X204IRT PRO



SCALANCE X204IRT PRO,
MANAGED IE IRT SWITCH IN PROT. CLASS IP65/67,
4X10/100 MBIT/S PUSH PULL RJ45 PORTS,
FAULT SIGNAL CONTACT WITH SET- BUTTON,
REDUNDANT POWER SUPPLY,
PROFINET-IO DEVICE,
NETWORK MANAGEMENT,
RED.- MANAGER INTEGRATED,
INCL. ELECTRONIC 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	
• for network components or terminal equipment / maximum	4
Number of electrical connections	
• for network components and terminal equipment	4
• for signaling contact	1
• for power supply	1
Design of the electrical connection	
• for network components and terminal equipment	RJ45 push-pull plug PRO
• for signaling contact	5-pin M12 socket
• for power supply	5-pin push-pull plug PRO socket
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
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Supply voltage / external	24 V
• minimum	18 V
• maximum	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	
• during operating	-25 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP67
Design, dimensions and weight	
Design	compact
Width	90 mm
Height	125 mm
Depth	124 mm
Net weight	1 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 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 structuring	Any (depending only on signal propagation time)
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• Port mirroring	No
• for IRT / PROFINET IO switch	Yes
• PROFINET IO diagnosis	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, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
- 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

- CE mark Yes
- C-Tick Yes
- KC approval Yes
- 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) Yes
- Det Norske Veritas (DNV) Yes
- Germanische Lloyd (GL) Yes
- Lloyds Register of Shipping (LRS) Yes
- Nippon Kaiji Kyokai (NK) Yes
- 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:

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