



SCALANCE X201-3P IRT managed IE IRT switch, 1x 10/100 Mbps RJ45 ports, 3x 100 Mbps POF SC RJ ports, error signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional

product type designation	
product brand name	SCALANCE
product type designation	X201-3P IRT
Technical Product Detail Page	https://i.siemens.com/1P6GK5201-3BH10-2BA3
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	1
number of 100 Mbit/s SC-RJ-ports / for POF FOC / with push-pull connection system	3
interfaces / other	
number of electrical connections	
• for signaling contact	1
• for power 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
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	5.28 W
• supply voltage / 1 / voltage range	18 ... 32
• consumed current / 1 / maximum	0.22 A
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	2.5 A (cannot be replaced by user)
ambient conditions	
ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity	
• at 25 °C / without condensation / during operation /	95 %

maximum	
protection class IP	IP30
design, dimensions and weights	
design	compact
width	60 mm
height	125 mm
depth	124 mm
net weight	0.78 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No
product features, product functions, product 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 topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• port mirroring	No
• multipoint mirroring	No
• with IRT / PROFINET IO switch	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	C
network load class / according to PROFINET	II
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
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	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy	Yes

manager	
<ul style="list-style-type: none"> Media Redundancy Protocol for Planned Duplication (MRPD) 	Yes
<ul style="list-style-type: none"> ring redundancy 	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
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
<ul style="list-style-type: none"> passive listening 	Yes
product functions / security	
protocol / is supported	
<ul style="list-style-type: none"> SSH 	Yes
product functions / time	
product function	
<ul style="list-style-type: none"> SICLOCK support 	Yes
protocol / is supported	
<ul style="list-style-type: none"> NTP 	No
<ul style="list-style-type: none"> SNTP 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> CE marking 	Yes
<ul style="list-style-type: none"> UKCA marking 	Yes
<ul style="list-style-type: none"> EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1 	Yes
<ul style="list-style-type: none"> cULus approval 	Yes
<ul style="list-style-type: none"> KC approval 	Yes
<ul style="list-style-type: none"> Regulatory Compliance Mark (RCM) 	Yes
standard	
<ul style="list-style-type: none"> for EMC interference emission 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> for immunity to EMC 	EN 61000-6-2
<ul style="list-style-type: none"> for safety / from CSA and UL 	UL 61010-1, CAN/CSA C22.2 No. 61010-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> ATEX 	Yes
<ul style="list-style-type: none"> UKEX 	Yes
<ul style="list-style-type: none"> IECEX 	Yes
<ul style="list-style-type: none"> ULhazloc approval 	Yes
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard 	Yes
<ul style="list-style-type: none"> FM registration 	Yes
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> railway application in accordance with EN 50155 	No
<ul style="list-style-type: none"> railway application in accordance with EN 50124-1 	No
<ul style="list-style-type: none"> RoHS conformity 	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total 	194.69 kg
<ul style="list-style-type: none"> during manufacturing 	29.12 kg
<ul style="list-style-type: none"> during operation 	165.34 kg
<ul style="list-style-type: none"> after end of life 	0.23 kg
product functions / general	
MTBF	78.03 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

further information / internet links

internet link

- to website: Selection guide for cables and connectors
- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

- <https://support.industry.siemens.com/cs/ww/en/view/109766358>
- <https://www.siemens.com/tstcloud>
- <https://www.siemens.com/simatic-net>
- <https://sieportal.siemens.com/>
- <https://www.automation.siemens.com/bilddb>
- <https://www.siemens.com/cax>
- <https://support.industry.siemens.com>

security information

security information

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Approvals / Certificates

Environmental Product Declaration

- | | |
|--|-----------|
| • global warming potential [CO2 eq] / during manufacturing | 29.12 kg |
| • global warming potential [CO2 eq] / during operation | 165.34 kg |
| • global warming potential [CO2 eq] / after end of life | 0.23 kg |
| • global warming potential [CO2 eq] / total | 194.69 kg |

Environment

General Product Approval



[China RoHS](#)



General Product Approval

For use in hazardous locations

[Miscellaneous](#)



[FM](#)

[CCC-Ex](#)

Test Certificates

Industrial Communication

[Type Test Certificates/Test Report](#)

[PROFINET](#)

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