



SCALANCE X201-3P IRT PRO; Managed IE IRT switch Degree of protection IP65/67; 1x 10/100 Mbps push pull RJ45 port; 3x 100 Mbps push-pull SC-RJ port; Error signaling contact with set button; power supply (load/encoder); PROFINET IO device; network management; Redundancy Manager integrated, including electronic manual on CD-ROM, C-PLUG optional

product type designation	
product brand name	SCALANCE
product type designation	X201-3P IRT PRO
Technical Product Detail Page	https://i.siemens.com/1P6GK5201-3JR10-2BA6
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	5-pole M12 port
• for power supply	5-pole push-pull connector PRO socket
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	
product component / connection for redundant voltage supply	Yes
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	

<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP65
design, dimensions and weights	
design	compact
width	90 mm
height	125 mm
depth	124 mm
net weight	1 kg
fastening method	
<ul style="list-style-type: none"> • 35 mm DIN-rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • CLI 	Yes
<ul style="list-style-type: none"> • web-based management 	Yes
<ul style="list-style-type: none"> • MIB support 	Yes
<ul style="list-style-type: none"> • TRAPs via email 	Yes
<ul style="list-style-type: none"> • configuration with STEP 7 	Yes
<ul style="list-style-type: none"> • port mirroring 	No
<ul style="list-style-type: none"> • multiport mirroring 	No
<ul style="list-style-type: none"> • with IRT / PROFINET IO switch 	Yes
<ul style="list-style-type: none"> • PROFINET IO diagnosis 	Yes
<ul style="list-style-type: none"> • switch-managed 	Yes
PROFINET conformity class	C
network load class / according to PROFINET	II
protocol / is supported	
<ul style="list-style-type: none"> • Telnet 	Yes
<ul style="list-style-type: none"> • HTTP 	Yes
<ul style="list-style-type: none"> • HTTPS 	Yes
<ul style="list-style-type: none"> • TFTP 	Yes
<ul style="list-style-type: none"> • FTP 	Yes
<ul style="list-style-type: none"> • BOOTP 	No
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
<ul style="list-style-type: none"> • SNMP v1 	Yes
<ul style="list-style-type: none"> • SNMP v2 	Yes
<ul style="list-style-type: none"> • SNMP v3 	Yes
identification & maintenance function	
<ul style="list-style-type: none"> • I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> • I&M1 - higher level designation/location designation 	Yes
product functions / diagnostics	
product function	
<ul style="list-style-type: none"> • port diagnostics 	Yes
<ul style="list-style-type: none"> • statistics Packet Size 	Yes
<ul style="list-style-type: none"> • statistics packet type 	Yes
<ul style="list-style-type: none"> • error statistics 	Yes
product functions / DHCP	
product function	
<ul style="list-style-type: none"> • DHCP client 	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	

<ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager 	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 61000-6-4:2001 (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	66.91 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

General Product Approval



[China RoHS](#)



[Miscellaneous](#)

General Product Approval

For use in hazardous locations

Test Certificates



[FM](#)

[CCC-Ex](#)

[Type Test Certificates/Test Report](#)

Environment

Industrial Communication



[PROFINET](#)

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