



SCALANCE X202-2PIRT PRO, Managed IE IRT switch, Degree of protection IP65/67, 2x 10/100 Mbit/s Push Pull RJ45 ports, 2x 100 Mbit/s Push-pull SC-RJ port; 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	SCALANCE X202-2P IRT PRO
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	2
number of optical ports / maximum	2
interfaces / for communication / integrated	
number of electrical connections • for network components or terminal equipment	2
number of 100 Mbit/s SC-RJ-ports / for POF FOC • with push-pull connection system	2
interfaces / other	
number of electrical connections • for signaling contact • for power supply	1 1
type of electrical connection • for signaling contact • for power supply	5-pin M12 socket 5-pin push-pull plug PRO socket
design of the removable storage • C-PLUG	Yes
signal inputs/outputs	
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	7.2 W
• supply voltage / 1 / rated value	18 ... 32 V
• consumed current / 1 / maximum	0.3 A
• type of electrical connection / 1 / for power supply	5-pin Push Pull Plug PRO socket
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	1.1 A / 33 V
ambient conditions	
ambient temperature • during operation • during storage • during transport	-25 ... +60 °C -40 ... +70 °C -40 ... +70 °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 top hat 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
PROFINET conformity class	C
network load class / according to PROFINET	2
product function / switch-managed	Yes
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	
product function	
<ul style="list-style-type: none"> ring redundancy 	Yes
<ul style="list-style-type: none"> High Speed Redundancy Protocol (HRP) 	Yes
<ul style="list-style-type: none"> high speed redundancy protocol (HRP) with redundancy 	Yes

manager	
<ul style="list-style-type: none"> high speed redundancy protocol (HRP) with standby redundancy 	Yes
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"> 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	
standard	
<ul style="list-style-type: none"> for FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X
<ul style="list-style-type: none"> for emitted interference 	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> for interference immunity 	EN 61000-6-4:2001
MTBF	84.99 a
reference code	
<ul style="list-style-type: none"> according to IEC 81346-2 	KF
<ul style="list-style-type: none"> according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul style="list-style-type: none"> from 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, E240480
certificate of suitability	
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard 	Yes
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard / as marking 	Ex nA IIC T4 Gc
<ul style="list-style-type: none"> for cULus HazLoc / as File Nr. 	E240480 (NWHP, NWHP7)
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-4:2001
<ul style="list-style-type: none"> C-Tick 	Yes
<ul style="list-style-type: none"> KC approval 	Yes
<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
accessories	
product extension / optional / C-PLUG	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx-Download-Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In

order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit <https://www.siemens.com/industrialsecurity>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert.> (V4.6)

Approvals / Certificates

General Product Approval	EMC	For use in hazardous locations
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[Manufacturer Declaration](#)



[Miscellaneous](#)



[ATEX-Zone 2-Declaration](#)



For use in hazardous locations	Declaration of Conformity
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[FM](#)

[CCC-Ex](#)



[Manufacturer Declaration](#)

Declaration of Conformity	Marine / Shipping	other
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[Miscellaneous](#)



[PROFINET-Certification](#)

Environment



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