



SCALANCE X202-2P IRT PRO, Managed IE IRT switch, Degree of protection IP65/67, 2x 10/100 Mbps push pull RJ45 ports, 2x 100 Mbps push-pull SCRJ 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	X202-2P IRT PRO
Technical Product Detail Page	https://i.siemens.com/1P6GK5202-2JR10-2BA6
transfer rate	
transfer rate	10, 100 Mbit/s
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	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	4.8 W
• supply voltage / 1 / voltage range	18 ... 32
• consumed current / 1 / maximum	0.2 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 / 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	
• 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 <1~0.31~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
• multiport 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 manager	Yes
ring redundancy	Yes
high speed redundancy protocol (HRP) with redundancy manager	Yes
high speed redundancy protocol (HRP) with standby redundancy	Yes
Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
passive listening	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	
certificate of suitability	
CE marking	Yes
UKCA marking	Yes
EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes
cULus approval	Yes
KC approval	Yes
Regulatory Compliance Mark (RCM)	Yes
standard	
for EMC interference emission	EN 61000-6-4:2001 (Class A)
for immunity to EMC	EN 61000-6-2
for safety / from CSA and UL	UL 61010-1, CAN/CSA C22.2 No. 61010-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
ATEX	Yes
UKEX	Yes
IECEX	Yes
ULhazloc approval	Yes
CCC / for hazardous zone according to GB standard	Yes
FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
railway application in accordance with EN 50155	No
railway application in accordance with EN 50124-1	No
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]	
total	179.66 kg
during manufacturing	29.12 kg
during operation	150.31 kg
after end of life	0.23 kg
product functions / general	
MTBF	71.84 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
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• global warming potential [CO2 eq] / after end of life	0.23 kg
• global warming potential [CO2 eq] / total	179.66 kg

Environment

General Product Approval



[Miscellaneous](#)



General Product Approval

For use in hazardous locations



[China RoHS](#)



[FM](#)

For use in hazardous locations

Test Certificates

Industrial Communication

[CCC-Ex](#)

[Type Test Certificates/Test Report](#)

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