



SCALANCE X208PRO, managed IE switch, 8x 10/100 Mbit/s M12 ports, IP65/67, LED diagnostics, error signaling contact, Redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, dust caps, including electronic manual on CD-ROM, C-plug optional.

product type designation

product brand name	SCALANCE
product type designation	X208PRO
Technical Product Detail Page	https://i.siemens.com/1P6GK5208-0HA10-2AA6

transfer rate

transfer rate	10, 100 Mbit/s
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interfaces / for communication / integrated

number of electrical connections	
• for network components or terminal equipment	8
number of 10/100 Mbit/s M12-ports (D-coded)	8

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 (B-coded)
• for power supply	4-pole M12 connection (A-coded)
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	4.4 W
• supply voltage / 1 / voltage range	18 ... 32
• consumed current / 1 / maximum	0.185 A
• type of electrical connection / 1 / for power supply	4-pole M12 connection (A-coded)
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	0,6 A / 60 V

ambient conditions

ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity	

• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP65/67
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	100
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	Yes
• multiport mirroring	No
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
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	
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	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
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
• for safety / from CSA and UL	UL 60950-1 E115352, CSA C22.2 No. 60950-1
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
• RoHS conformity	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• French marine classification society (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	167.63999 kg
• during manufacturing	29.12 kg
• during operation	138.28999 kg
• after end of life	0.23 kg
product functions / general	
MTBF	83 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	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net

- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://sieportal.siemens.com/>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

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	138.29 kg
• global warming potential [CO2 eq] / after end of life	0.23 kg
• global warming potential [CO2 eq] / total	167.64 kg

Environment

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)

General Product Approval



[Miscellaneous](#)



[China RoHS](#)



EMV

For use in hazardous locations

Maritime application



[FM](#)

[CCC-Ex](#)



Maritime application

Industrial Communication



[PROFINET](#)

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