



SCALANCE XP208PoE EEC, managed IE switch, 8x 10/100 Mbit/s IEC 62443-4-2 certified; M12 ports, IP65, 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	XP208PoE EEC
Technical Product Detail Page	https://i.siemens.com/1P6GK5208-0UA00-5ES6
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	8; M12
number of 10/100 Mbit/s M12-ports (D-coded)	4
• with PoE	4
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	2
type of electrical connection	
• for operator console	5-pole M12 socket (A-coded)
• for signaling contact	5-pole M12 plug (B-coded)
• for power supply	4-pole M12 plug (A-coded)
design of the removable storage	
• C-PLUG	Yes
product function / device replacement with replacement of the storage medium	Yes
operating voltage / of the signaling contacts	
• at DC / rated value	54 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
supplied active power / of PSE / with PoE	
• per port / maximum	30 W
• total / maximum	120 W
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	54 V; XP-200EEC with EN 50155 supports the voltage range 46 ... 57 V DC
• power loss [W] / 1 / rated value	9 W
• consumed current / 1 / at rated supply voltage / maximum	2.5 A
• supply voltage / 1 / voltage range	46 ... 57
• consumed current / 1 / maximum	2.4 A

• type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input • fuse protection type / 1 / at input for supply voltage	4-pole M12 plug (A-coded) Yes 5 A / 60 V
ambient conditions	
ambient temperature	
• during operation • during storage • during transport • note	-40 ... +70 °C -40 ... +70 °C -40 ... +70 °C EEC variants with EN 50155 support for 10 minutes: -40 °C ... +85 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP65
design, dimensions and weights	
design	compact
width	200 mm
height	200 mm
depth	49 mm
net weight	1.8 kg
product feature / conformal coating	Yes
material / of the enclosure	Aluminum
fastening method	ET200pro module carrier
• wall mounting	Yes
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 function	
• QoS according to DSCP	Yes
product feature	
• Cut Through switching method • Store & Forward switching method	No Yes
product functions / management, configuration, engineering	
product function	
• CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed	Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes No Yes Yes
PROFINET conformity class	B
network load class / according to PROFINET	III
telegram length / for Ethernet / maximum	1518 byte
protocol / is supported	
• Telnet • HTTP • HTTPS • TFTP • SFTP • BOOTP • GMRP • DCP	Yes Yes Yes Yes Yes Yes Yes Yes

• LLDP • EtherNet/IP • SNMP v1 • SNMP v2 • SNMP v3 • IGMP (snooping/querier)	Yes Yes Yes Yes Yes Yes
identification & maintenance function • I&M0 - device-specific information • I&M1 - higher level designation/location designation	Yes Yes
product functions / diagnostics	
product function • port diagnostics • statistics Packet Size • statistics packet type • error statistics • SysLog	Yes Yes Yes Yes Yes
product functions / VLAN	
product function • VLAN - port based • VLAN - protocol-based • VLAN - IP-based	Yes No No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
product functions / DHCP	
product function • DHCP server • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67	Yes Yes Yes Yes Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET system redundancy • ring redundancy • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP+ • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening	Yes Yes; LC mode Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function • IEEE 802.1x (radius) • RADIUS client • broadcast/multicast/unicast limiter	Yes Yes Yes

• broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
• SICLOCK support	Yes
• NTP-client	Yes
• SNTP client	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UKCA 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
• 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	Yes; OT4, ST1, H1, S2, C1, L4, PC2
• railway application in accordance with EN 50121-4	Yes
• railway application in accordance with EN 50124-1	Yes
• fire protection in accordance with EN 45545-2	Yes; Class HL1 - HL3
• RoHS conformity	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	311.07999 kg
• during manufacturing	61.47 kg
• during operation	249.34 kg
• after end of life	0.27 kg
product functions / general	
MTBF	49 a
reference temperature / for MTBF determination	40 °C
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	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax

security information

security information

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Approvals / Certificates

Environmental Product Declaration

• global warming potential [CO2 eq] / during manufacturing	61.47 kg
• global warming potential [CO2 eq] / during operation	249.34 kg
• global warming potential [CO2 eq] / after end of life	0.27 kg
• global warming potential [CO2 eq] / total	311.08 kg

Environment

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)

[Manufacturer Declaration](#)

General Product Approval



[Miscellaneous](#)

[Declaration of Conformity](#)



[TUEV](#)



General Product Approval

EMV

For use in hazardous locations

[China RoHS](#)



[FM](#)

For use in hazardous locations

Test Certificates

Railway

Industrial Communication

[CCC-Ex](#)

[Type Test Certificates/Test Report](#)

[inspection certificate](#)

[Confirmation](#)

[PROFINET](#)

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