



SCALANCE XP208, IP65, layer 2 IE switch, 6x 100 Mbps, 2x 1000 Mbps, LED diagnostics, error signaling contact, redundant power supply, IEC 62443-4-2 certified PROFINET IO device, network management, can be operated in redundant ring, dust caps, including -40 °C to +70 °C, C-PLUG optional.

product type designation	
product brand name	SCALANCE
product type designation	XP208
Technical Product Detail Page	<a href="https://l.siemens.com/1P6GK5208-0HA10-2AS6">https://l.siemens.com/1P6GK5208-0HA10-2AS6</a>
transfer rate	
transfer rate	10, 100, 1000 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)	6
number of 10/100/1000 Mbit/s M12-ports (X-coded)	2
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 (L-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	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
<b>type of voltage / 1 / of the supply voltage</b>	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	4.8 W
• consumed current / 1 / at rated supply voltage / maximum	0.2 A
• supply voltage / 1 / voltage range	19.2 ... 31.2
• consumed current / 1 / maximum	0.2 A
• type of electrical connection / 1 / for power supply	4-pole M12 plug (L-coded)
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	4 A / 60 V

ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °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	200 mm
height	200 mm
depth	49 mm
net weight	1.8 kg
material / of the enclosure	Aluminum
fastening method	module rack mounting, back wall mounting
• wall mounting	Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <math>\leq 0.3\text{s}</math>	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	No
• Store & Forward switching method	Yes
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
• RMON	Yes
• SMTP server	No
• port mirroring	Yes
• multiport mirroring	Yes
• CoS	Yes
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
network load class / according to PROFINET	III
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	Yes
• BOOTP	No
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes

<ul style="list-style-type: none"> <li>IGMP (snooping/querier)</li> </ul>	Yes
identification & maintenance function	
<ul style="list-style-type: none"> <li>I&amp;M0 - device-specific information</li> <li>I&amp;M1 - higher level designation/location designation</li> </ul>	Yes Yes
<b>product functions / diagnostics</b>	
product function	
<ul style="list-style-type: none"> <li>port diagnostics</li> <li>statistics Packet Size</li> <li>statistics packet type</li> <li>error statistics</li> <li>SysLog</li> </ul>	Yes Yes Yes Yes Yes
<b>product functions / VLAN</b>	
product function	
<ul style="list-style-type: none"> <li>VLAN - port based</li> <li>VLAN - protocol-based</li> <li>VLAN - IP-based</li> </ul>	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
<b>product functions / DHCP</b>	
product function	
<ul style="list-style-type: none"> <li>DHCP server</li> <li>DHCP client</li> <li>DHCP Option 82</li> <li>DHCP Option 66</li> <li>DHCP Option 67</li> </ul>	Yes Yes Yes Yes Yes
<b>product functions / redundancy</b>	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> <li>media redundancy protocol (MRP) with redundancy manager</li> <li>Media Redundancy Protocol Interconnection (MRP-I)</li> <li>of the PROFINET IO device / is supported / H-Sync forwarding</li> <li>of the PROFINET IO device / is supported / PROFINET system redundancy</li> <li>ring redundancy</li> <li>high speed redundancy protocol (HRP) with redundancy manager</li> <li>high speed redundancy protocol (HRP) with standby redundancy</li> <li>redundancy procedure STP</li> <li>redundancy procedure RSTP</li> <li>redundancy procedure RSTP+</li> <li>redundancy procedure MSTP</li> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> <li>passive listening</li> </ul>	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>LACP</li> </ul>	Yes
<b>system modification during operation</b>	
product function / configuration in RUN via CiR/H-CiR	Yes
<b>product functions / security</b>	
product function	
<ul style="list-style-type: none"> <li>IEEE 802.1x (radius)</li> <li>RADIUS client</li> <li>broadcast/multicast/unicast limiter</li> <li>broadcast blocking</li> </ul>	Yes Yes Yes Yes

protocol / is supported	
• SSH	Yes
• SSL	Yes
<b>product functions / time</b>	
product function	
• SICLOCK support	Yes
• NTP-client	Yes
• SNTP client	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
• IEEE 1588 profile default	Yes
<b>standards, specifications, approvals</b>	
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 62368-1 E115352, CSA C22.2 No. 62368-1
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
• RoHS conformity	Yes
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
<b>product functions / general</b>	
MTBF	52 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
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)
<b>Approvals / Certificates</b>	

General Product Approval



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