



SCALANCE XP208PoE EEC, IP65, managed layer 2 IE switch, IEC 6 2443-4-2 certified; 6x 10/100 Mbps, 2x 1000 Mbps, M12 ports, 802.3 at 8x30 W (max. 240 W) LED diagnostics, error signaling contact, redundant power supply, 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
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 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) • with PoE	6
number of 10/100/1000 Mbit/s M12-ports (X-coded) • with PoE	2
interfaces / other	
number of electrical connections • for operator console • for signaling contact • for power supply	1 1 2
type of electrical connection • for operator console • for signaling contact • for power supply	5 pin M12 socket (A coded) 5-pin M12 connector (B-coded) 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	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 • total / maximum	30 W 240 W
<b>type of voltage / 1 / of the supply voltage</b> • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • consumed current / 1 / at rated supply voltage / maximum • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply	DC 54 V; XP-200EEC with EN 50155 supports the voltage range 52 ... 57 V DC 10 W 5.2 A 52 ... 57 V 5.2 A 4-pole M12 plug (L-coded)

<ul style="list-style-type: none"> <li>product component / 1 / fusing at power supply input</li> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>	<p>Yes</p> <p>15 A / 60 V</p>
<b>ambient conditions</b>	
<p>ambient temperature</p> <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>note</li> </ul>	<p>-40 ... +70 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>EEC variants with EN 50155 support for 10 minutes: -40 °C ... +85 °C</p>
<p>relative humidity</p> <ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP65
<b>design, dimensions and weights</b>	
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	module rack mounting, back wall mounting
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes
<b>product features, product functions, product components / general</b>	
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)
<p>product function</p> <ul style="list-style-type: none"> <li>QoS according to DSCP</li> </ul>	Yes
<p>product feature</p> <ul style="list-style-type: none"> <li>Cut Through switching method</li> <li>Store &amp; Forward switching method</li> </ul>	<p>No</p> <p>Yes</p>
<b>product functions / management, configuration, engineering</b>	
<p>product function</p> <ul style="list-style-type: none"> <li>CLI</li> <li>web-based management</li> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>SMTp server</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>with IRT / PROFINET IO switch</li> <li>PROFINET IO diagnosis</li> <li>switch-managed</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p>
PROFINET conformity class	B
network load class / according to PROFINET	3
telegram length / for Ethernet / maximum	10240 byte
<p>protocol / is supported</p> <ul style="list-style-type: none"> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>SFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>

<ul style="list-style-type: none"> <li>• SNMP v2</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SNMP v3</li> </ul>	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> </ul>	Yes
<ul style="list-style-type: none"> <li>• I&amp;M1 - higher level designation/location designation</li> </ul>	Yes
<b>product functions / diagnostics</b>	
product function	
<ul style="list-style-type: none"> <li>• port diagnostics</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• statistics Packet Size</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• statistics packet type</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• error statistics</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SysLog</li> </ul>	Yes
<b>product functions / VLAN</b>	
product function	
<ul style="list-style-type: none"> <li>• VLAN - port based</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• VLAN - protocol-based</li> </ul>	No
<ul style="list-style-type: none"> <li>• VLAN - IP-based</li> </ul>	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> </ul>	Yes
<ul style="list-style-type: none"> <li>• DHCP client</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DHCP Option 82</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DHCP Option 66</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DHCP Option 67</li> </ul>	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> </ul>	Yes
<ul style="list-style-type: none"> <li>• Media Redundancy Protocol Interconnection (MRP-I)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• of the PROFINET IO device / is supported / H-Sync forwarding</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• of the PROFINET IO device / is supported / PROFINET system redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ring redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• high speed redundancy protocol (HRP) with redundancy manager</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• high speed redundancy protocol (HRP) with standby redundancy</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• redundancy procedure STP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• redundancy procedure RSTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• redundancy procedure RSTP+</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• redundancy procedure MSTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	No
<ul style="list-style-type: none"> <li>• passive listening</li> </ul>	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> </ul>	Yes
<ul style="list-style-type: none"> <li>• RADIUS client</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• broadcast/multicast/unicast limiter</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• broadcast blocking</li> </ul>	Yes

protocol / is supported	
<ul style="list-style-type: none"> <li>• SSH</li> <li>• SSL</li> </ul>	<p>Yes</p> <p>Yes</p>
<b>product functions / time</b>	
product function	
<ul style="list-style-type: none"> <li>• SICLOCK support</li> <li>• NTP-client</li> <li>• SNTP client</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
protocol / is supported	
<ul style="list-style-type: none"> <li>• NTP</li> <li>• SNTP</li> <li>• IEEE 1588 profile default</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> <li>• UKCA marking</li> <li>• Regulatory Compliance Mark (RCM)</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
standard	
<ul style="list-style-type: none"> <li>• for EMC interference emission</li> <li>• for immunity to EMC</li> </ul>	<p>EN 61000-6-4 (Class A)</p> <p>EN 61000-6-2</p>
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	<p>Yes</p>
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	<p>Yes</p>
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>	<p>317.85 kg</p> <p>43.5 kg</p> <p>274 kg</p> <p>0.35 kg</p>
<b>product functions / general</b>	
MTBF	<p>39 a</p>
reference temperature / for MTBF determination	<p>40 °C</p>
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	<p>KF</p> <p>KFE</p>
Warranty period	<p>5 a</p>
product function / is supported / identification link	<p>Yes; acc. to IEC 61406-1:2022</p>
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></p> <p><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></p> <p><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></p> <p><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<b>security information</b>	
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Approvals / Certificates

General Product Approval	Environment	Industrial Communication
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