

SCALANCE XP208PoE EEC, managed IE switch, 8x 10/100 Mbps M12 ports, IP65, LED diagnostics, error signaling contact, Redundant power supply, PROFINET IO device, network management, operable in redundant ring, Dust caps, incl. electronic Manual on CD-ROM, C-plug optional



<b>Product type designation</b>	<b>SCALANCE XP208PoE EEC</b>
<b>Transmission rate</b>	
Transfer rate	10 Mbit/s, 100 Mbit/s
<b>Interfaces / for communication / integrated</b>	
Number of electrical connections	
• for network components or terminal equipment	8
Number of 10/100 Mbit/s M12-ports (D-coded) / Integrated	4
• with PoE	4
<b>Interfaces / others</b>	
Number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for operator console	5 pin M12 socket (A coded)
• for signaling contact	5-pin M12 connector (B-coded)

<ul style="list-style-type: none"> <li>• for power supply</li> </ul>	4-pin M12 plug (A-coded)
design of the removable storage	
<ul style="list-style-type: none"> <li>• C-PLUG</li> </ul>	Yes

### Signal-Inputs/outputs

Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>• at DC / Rated value</li> </ul>	54 V
Operating current / of the signaling contacts	
<ul style="list-style-type: none"> <li>• at DC / maximum</li> </ul>	0.1 A

### Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> <li>• external</li> </ul>	54 V
<ul style="list-style-type: none"> <li>• external / minimum</li> </ul>	46 V
<ul style="list-style-type: none"> <li>• external / maximum</li> </ul>	57 V
<b>Supply voltage / 1 / Rated value</b>	
<ul style="list-style-type: none"> <li>• Consumed current / 1 / at rated supply voltage / maximum</li> </ul>	2.5 A
<ul style="list-style-type: none"> <li>• Power loss [W] / 1 / Rated value</li> </ul>	9 W
<b>Supply voltage / 2 / Rated value</b>	with PoE consumers Type 1
Product component / fusing at power supply input	Yes
Consumed current / maximum	2.4 A
Power loss [W]	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	9 W
Supplied active power / of PSE / with PoE	
<ul style="list-style-type: none"> <li>• per port / maximum</li> </ul>	30 W
<ul style="list-style-type: none"> <li>• total / maximum</li> </ul>	120 W

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• Note</li> </ul>	EEC variants with EN 50155 support for 10 minutes: -40 °C ... +85 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP65

### Design, dimensions and weight

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
Mounting type	ET200pro module carrier
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes

#### Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of <math>\sim 0.3\text{ s}</math>	50
Cascading in cases of star topology	any (depending only on signal propagation time)

#### Product functions / management, configuration

Product function	
<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>• Port mirroring</li> <li>• multiport mirroring</li> <li>• CoS</li> <li>• with IRT / PROFINET IO switch</li> <li>• PROFINET IO diagnosis</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p>
PROFINET conformity class	B
Product function / switch-managed	Yes
Telegram length / for Ethernet / maximum	1518 byte
Protocol / is supported	
<ul style="list-style-type: none"> <li>• Telnet</li> <li>• HTTP</li> <li>• HTTPS</li> <li>• TFTP</li> <li>• FTP</li> <li>• BOOTP</li> <li>• DCP</li> <li>• LLDP</li> <li>• EtherNet/IP</li> <li>• SNMP v1</li> <li>• SNMP v2</li> <li>• SNMP v3</li> <li>• IGMP (snooping/querier)</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> <p>Yes</p> <p>Yes</p> <p>Yes</p>
Identification & maintenance function	

• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes

### Product functions / Diagnosis

Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes
• SysLog	Yes
• loopback diagnostics	Yes

### Product functions / VLAN

Product function	
• VLAN - port based	Yes
• VLAN - protocol-based	No
• VLAN - IP-based	No
• VLAN dynamic	No
Number of VLANs / maximum	4094

### Product functions / DHCP

Product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes

### Product functions / Redundancy

Product function	
• of the PROFINET IO device / is supported / PROFINET system redundancy (S2)	Yes
• Ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• redundancy procedure RSTP	Yes

- redundancy procedure MSTP Yes
- Passive listening Yes

#### Product functions / Security

- Product function
- RADIUS client 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

- Standard
- for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
  - for hazardous zone EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
  - for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1
  - for hazardous zone / from CSA and UL ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
  - for emitted interference EN 61000-6-4 (Class A)
  - for interference immunity EN 61000-6-2

#### Standards, specifications, approvals / CE

- Certificate of suitability / CE marking Yes
- Certificate of suitability / RoHS conformity Yes

#### Standards, specifications, approvals / miscellaneous

- Certificate of suitability
- C-Tick Yes
  - E1 approval Yes
  - E1 approval Yes
  - Railway application in accordance with EN 50155 Yes
  - Railway application in accordance with EN 50124-1 Yes
  - Fire protection in accordance with EN 45545-2 Yes
  - KC approval Yes

## Accessories

Product extension / optional / C-PLUG

Yes

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

### Security information

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