

product type designation



SCALANCE XCM102

SCALANCE XCM102, IE media converter unmanaged 1x 100/1000 Mbps RJ45 port, 1x 100/1000 Mbps SFP port, LED diagnostics, error signaling contact with set pushbutton redundant power supply, securing collar, manual available as a download .

Technical Product Detail Page

<https://i.siemens.com/1P6GK5102-1GS00-2AC2>

transfer rate

transfer rate	100 Mbit/s, 1000
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interfaces

number of electrical/optical connections / for network components or terminal equipment / maximum	2
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment for SFP / plug-in for signaling contact for power supply for redundant voltage supply 	1 1; 100 Mbps and 1000 Mbps SFP plug-in transceiver usable 1 1 1
type of electrical connection	
<ul style="list-style-type: none"> for network components or terminal equipment for signaling contact for power supply 	RJ45 port 2-pole terminal block 2 x 3-pole terminal block

signal inputs/outputs

operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> at DC / maximum 	0.1 A

supply voltage, current consumption, power loss

supply voltage / 1 / rated value	24 V
<ul style="list-style-type: none"> type of voltage / 1 / of the supply voltage consumed current / 1 / at rated supply voltage / maximum power loss [W] / 1 / rated value 	DC 0.15 A 2.5 W
supply voltage / 2 / rated value	24 V
<ul style="list-style-type: none"> type of voltage / 2 / of the supply voltage consumed current / 2 / at rated supply voltage / maximum power loss [W] / 2 / rated value 	AC 0.3 A 5 W
product component / fusing at power supply input	Yes
consumed current	
<ul style="list-style-type: none"> maximum 	dependent on the use of SFP plug-in transceiver
power loss [W]	
<ul style="list-style-type: none"> maximum 	dependent on the use of SFP plug-in transceiver

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +70 °C

<ul style="list-style-type: none"> during storage during transport note 	<p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>max. operating temperature dependent on the use of SFP plug-in transceiver</p>
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights

design	compact
width	35 mm
height	147 mm
depth	123 mm
net weight	0.22 kg
fastening method	
<ul style="list-style-type: none"> 35 mm DIN-rail mounting S7-300 rail mounting S7-1500 rail mounting wall mounting 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>

standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> CE marking 	Yes
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Polski Rejestr Statkow (PRS) Royal Institution of Naval Architects (RINA) Chinese Classification Society (CCS) 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
MTBF	152 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total during manufacturing during operation after end of life 	<p>49.64 kg</p> <p>8.3 kg</p> <p>41 kg</p> <p>0.34 kg</p>

further information / internet links

internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

security information

security information	<p>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 www.siemens.com/cybersecurity-industry. 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</p>
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customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <https://www.siemens.com/cert>. (V4.7)

Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



[Miscellaneous](#)



For use in hazardous locations

Radio Equipment Type Approval Certificate

Maritime application



[FM](#)

[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



Maritime application

Environment

Industrial Communication

[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)



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