

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://l.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 	RJ45 port

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"> consumed current / 1 / at rated supply voltage / maximum power loss [W] / 1 / rated value 	0.15 A 2.5 W
supply voltage / 2 / rated value	24 V
<ul style="list-style-type: none"> consumed current / 2 / at rated supply voltage / maximum power loss [W] / 2 / rated value 	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 during storage during transport note 	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C max. operating temperature dependent on the use of SFP plug-in transceiver
relative humidity / at 25 °C / without condensation / during	95 %

operation / maximum	
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 	<ul style="list-style-type: none"> Yes Yes Yes Yes
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) 	<ul style="list-style-type: none"> Yes Yes Yes Yes Yes Yes Yes
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 	<ul style="list-style-type: none"> 49.64 kg 8.3 kg 41 kg 0.34 kg
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 	<ul style="list-style-type: none"> https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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 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)</p>
Approvals / Certificates	

General Product Approval



[Declaration of Con-
formity](#)

[China RoHS](#)



[Miscellaneous](#)

General Product Ap-
proval

For use in hazardous locations

Radio Equipment
Type Approval Certi-
ficate



[EM](#)

[CCC-Ex](#)

[KC](#)

Maritime application



[NK / Nippon Kaiji Ky-
okai](#)



Maritime application

Environment

Industrial Communication



[CCS \(China Classifica-
tion Society\)](#)



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