



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 .

transfer rate	
transfer rate	100 Mbit/s, 1000
interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	2
number of electrical connections	
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> <li>for SFP / plug-in</li> <li>for signaling contact</li> <li>for power supply</li> <li>for redundant voltage supply</li> </ul>	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"> <li>for network components or terminal equipment</li> <li>for signaling contact</li> <li>for power supply</li> </ul>	RJ45 port 2-pole terminal block 2x 3-pole terminal block
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>	24 V
operational 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	
<b>supply voltage / 1 / rated value</b>	24 V
<ul style="list-style-type: none"> <li>type of voltage / 1 / of the supply voltage</li> <li>consumed current / 1 / at rated supply voltage / maximum</li> <li>power loss [W] / 1 / rated value</li> </ul>	DC 0.15 A 2.5 W
<b>supply voltage / 2 / rated value</b>	24 V
<ul style="list-style-type: none"> <li>type of voltage / 2 / of the supply voltage</li> <li>consumed current / 2 / at rated supply voltage / maximum</li> <li>power loss [W] / 2 / rated value</li> </ul>	AC 0.3 A 5 W
product component / fusing at power supply input	Yes
consumed current	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	dependent on the use of SFP plug-in transceiver
power loss [W]	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	dependent on the use of SFP plug-in transceiver
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>note</li> </ul>	-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 operation / maximum	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	35 mm
height	147 mm
depth	123 mm
net weight	0.22 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
• wall mounting	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Det Norske Veritas (DNV)	Yes
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
• Chinese Classification Society (CCS)	Yes
MTBF	152 a
reference code	
• according to IEC 81346-2:2019	TFD
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	49.64 kg
• during manufacturing	8.3 kg
• during operation	41 kg
• after end of life	0.34 kg
<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)

Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



[Miscellaneous](#)



For use in hazardous locations

[EM](#)

[CCC-Ex](#)

Radio Equipment Type Approval Certificate

[KC](#)

Maritime application



Maritime application



[NK / Nippon Kaiji Kyokai](#)



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



Environment

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