

product type designation

**RMM2972C-2RNA**

RUGGEDCOM RMM2972-2RNA, Media Module for RUGGEDCOM RST2228/P, to support HSR/PRP functions, port A and B, 2 x 100/1000 Base-X SFPs (SFPs are not included, with conformal coating)



Technical Product Detail Page

<https://i.siemens.com/1P6GK6297-8SB00-2AA1>

suitability for operation

RST2228

### interfaces

number of electrical connections

- for network components or terminal equipment / maximum
- for SFP / plug-in

2

2; Supported SFPs: RUGGEDCOM SFP1112-1, SFP1121-1FX2, SFP1131-1FX20, SFP1131-1FX50, SFP1131-1FX90, SFP1122-1SX, SFP1122-1SX2, SFP1132-1LX10, SFP1132-1LX25, SFP1132-1LX40, SFP1132-1LX70, SFP1132-1LX100, SFP1132-1LX115, SFP1132-1BX10R, SFP1132-1BX10T, SFP1132-1BX40R, SFP1132-1BX40T

number of optical interfaces / for network components or terminal equipment / maximum

2

### ambient conditions

ambient temperature

- during operation
- during storage
- during transport
- note

-40 ... +85 °C

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A maximum operating temperature of +85 °C is permissible for a duration of 16 hours

relative humidity / at 25 °C / without condensation / during operation / maximum

95 %

protection class IP

IP30 (when installed)

### design, dimensions and weights

design

Media module

width

99.4 mm

height

21.6 mm

depth

120.1 mm

product feature / conformal coating

Yes

fastening method

screwed

- installation in media module slot

Yes

### standards, specifications, approvals

standard

- for EMC
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

EN55032, IEC/EN 61000-6-2

planned

cCSAus (Compliant with CSA C22.2 No. 60950-1, UL60950-1, EN60950-1, IEC60950-1)

planned

CISPR32, EN 55032, FCC Part15 Class A, CAN ICES-3 Class A / NMB-3 Class A

IEC 61000-6-2

certificate of suitability	
<ul style="list-style-type: none"> <li>relating to NEMA</li> <li>CE marking</li> <li>C-Tick</li> <li>KC approval</li> <li>E1 approval</li> <li>E1 approval</li> <li>railway application in accordance with EN 50155</li> <li>railway application in accordance with EN 50121-4</li> <li>railway application in accordance with EN 50124-1</li> <li>fire protection in accordance with EN 45545-2</li> <li>IEC 61850-3</li> <li>IEEE 1613</li> </ul>	<p>NEMA TS-2 (planned)</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p> <p>Yes</p>
Marine classification association	
<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>DNV GL</li> </ul>	<p>No</p> <p>No</p>

**standards, specifications, approvals / Environmental Product Declaration**

Environmental Product Declaration	Yes
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>259.55 kg</p> <p>13.3 kg</p> <p>246.21 kg</p> <p>0.04 kg</p>

**further information / internet links**

internet link	
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to website: Industry Mall/RUGGEDCOM selector</li> <li>to website: Industrial communication</li> <li>to website: Siemens RUGGEDCOM</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/ruggedcom-selector">https://www.siemens.com/ruggedcom-selector</a></p> <p><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></p> <p><a href="https://www.siemens.com/ruggedcom">https://www.siemens.com/ruggedcom</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>

**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 <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)</p>
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**Approvals / Certificates**

other	Environment
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[inspection certificate](#)



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