

product type designation



Antenna ANT793-6DG

ANT793-6DG IWLAN antenna Dual-slant antenna with weak directional effect incl. 2x N-female connectors: 9 dBi; IP66/67 (-40-+80 °C), 5 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-6DG, 1x mounting aid for alignment .

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.875 GHz
electrical data	
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	9 dB
impedance	50 Ω
polarization	dual linear +/- 45° slant
radiation characteristic	Sector antenna
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	70°
• in the 5 GHz frequency band / vertical	60°
number of electrical connections / of the antenna	2
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
crosstalk attenuation / between the antenna connections	20 dB
front-to-back ratio	20 dB
mechanical data	
material	
• of outer shell	Lexan EXL 9330
ambient conditions	
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
protection class IP	IP66/67
wind load / maximum	15 N; frontal at 160 km/h
design, dimensions and weights	
width	80 mm
height	101 mm
depth	35 mm
net weight	110 g
fastening method	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No

<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• railway application in accordance with EN 50155</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• fire protection in accordance with EN 45545-2</li> </ul>	Yes
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
reference code / according to IEC 81346-2:2019	TFB
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
<ul style="list-style-type: none"> <li>• to web page: WLAN country approval</li> </ul>	<a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to web page: SiePortal</li> </ul>	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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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