

### Product type designation



### Antenna ANT792-8DN

ANT792-8DN IWLAN antenna with strong directional effect incl. N-female connector: 14 dBi, IP23, outdoor, (-40-+70 °C); 2.4 GHz, Wi-Fi compliance Observe national approvals; mounting on wall or mast compact instructions as hard copy German/English, scope of delivery: 1x ANT792-8DN, 1x terminating resistor TI795-1R 1x mounting aid for alignment

### Wireless frequencies

Type of mobile network / is supported	WLAN
Operating frequency	
<ul style="list-style-type: none"> <li>• for WLAN in 2.4 GHz frequency band</li> </ul>	2.4 ... 2.7 GHz

### Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 2.4 GHz frequency band</li> </ul>	14 dB
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	
<ul style="list-style-type: none"> <li>• in the 2.4 GHz frequency band / horizontal</li> <li>• in the 2.4 GHz frequency band / vertical</li> </ul>	35° 30°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female

Angle of inclination / downward / maximum	0°
Front-to-back ratio	20 dB
<b>Mechanical data</b>	
Material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	ASA
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +80 °C
Protection class IP	IP23
Wind load / maximum	57 N; at 160 km/h
<b>Design, dimensions and weight</b>	
Width	200 mm
Height	200 mm
Depth	43 mm
Net weight	500 g
Mounting type	
<ul style="list-style-type: none"> <li>mast mounting</li> <li>wall mounting</li> <li>roof mounting</li> <li>directly on the device</li> </ul>	Yes Yes No No
<b>Product properties, functions, components / general</b>	
Product feature / silicon-free	Yes
<b>Standards, specifications, approvals</b>	
Certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</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>
<b>Further Information / Internet Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx Download Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>  <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>  <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>  <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>  <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>  <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>  <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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