

### Product type designation



### Antenna ANT795-6DN

IWLAN ANTENNA ANT 795-6DN WITH WEAK DIRECTIONAL EFFICIENCY INCL. N-FEMALE CONNECTOR: 9 DBI IP55 (-40-+70 DGR C), 2.4GHZ/ 5GHZ WI-FI COMPLIANCE AND NATIONAL APPROVALS WALL OR MAST MOUNTING, COMPACT MANUAL ON PAPER GERMAN/ENGLISH SCOPE OF SUPPLY: 1X ANT795-6DN, 1X TERMINATING RESISTANCE TI795-1R 1X MOUNTING SUPPORT FOR ADJUSTMENT

### 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 ... 2.5 GHz
<ul style="list-style-type: none"> <li>• for WLAN in 5 GHz frequency band 1</li> </ul>	5.15 ... 5.875 GHz

### Electrical data

Impedance	50 $\Omega$
Polarization	linear vertical
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>	9 dB
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	9 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> </ul>	75°
<ul style="list-style-type: none"> <li>• in the 2.4 GHz frequency band / vertical</li> </ul>	55°
<ul style="list-style-type: none"> <li>• in the 5 GHz frequency band / horizontal</li> </ul>	55°

<ul style="list-style-type: none"> <li>• in the 5 GHz frequency band / vertical</li> </ul>	55°
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	15 dB
Transmit power / maximum	10 W; at 25° ambient temperature
Range / with clear line of sight / without disturbance	200 m; Remark: the distance can be much less and is depending on the space around, on the wireless standard in use, on the data rate and on the antenna installed on the partner station

### Mechanical data

Material	
<ul style="list-style-type: none"> <li>• of outer shell</li> </ul>	ASA

### Permitted ambient conditions

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	IP55
Wind load / maximum	15 N; at 160 km/h

### Design, dimensions and weight

Width	101 mm
Height	95 mm
Depth	32 mm
Net weight	110 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

### Product properties, functions, components / general

Product feature / silicon-free	Yes
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### Standards, specifications, approvals

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>

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</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>

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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