

### Product type designation

### Antenna ANT795-6MT

IWLAN ANTENNA ANT 795-6MT MIMO ANTENNA MIT OMNI-DIRECTIONAL CHARACTERISTIC INCL. 3 X QMA-SOCKETS; ANTENNA GAIN: 5/7 DBI; IP65 (-40-+85DGR C), 2.4/5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; MOUNTING ON ROOF, VEHICLE AND CEILING-MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT795-6MT, 1X MOUNTING AID FOR CEILING-MOUNTING



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 ... 2.69 GHz
<ul style="list-style-type: none"> <li>• for WLAN in 5 GHz frequency band 1</li> </ul>	5.15 ... 5.35 GHz
<ul style="list-style-type: none"> <li>• for WLAN in 5 GHz frequency band 2</li> </ul>	5.47 ... 5.935 GHz
Electrical data	
Impedance	50 Ω
Polarization	3 ports: linear vertical
Radiation characteristic	omnidirectional
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>	5 dB
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	7 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>	360°

<ul style="list-style-type: none"> <li>• in the 5 GHz frequency band / horizontal</li> </ul>	360°
Type of electrical connection / of the antenna	QMA Connector
Design of plug-in connection	female
Angle of inclination / downward / maximum	0°
Crosstalk attenuation / between the antenna connections	20 dB
Transmit power / maximum	10 W; at 25° ambient temperature

### Mechanical data

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

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +85 °C
Protection class IP	IP65

### Design, dimensions and weight

Width	282 mm
Height	32 mm
Depth	92 mm
Net weight	320 g
Mounting type	
<ul style="list-style-type: none"> <li>• mast mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• roof mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	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> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

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

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

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

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