

### 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

#### Operating frequency

- |                                      |                    |
|--------------------------------------|--------------------|
| • for WLAN in 2.4 GHz frequency band | 2.4 ... 2.69 GHz   |
| • for WLAN in 5 GHz frequency band 1 | 5.15 ... 5.35 GHz  |
| • for WLAN in 5 GHz frequency band 2 | 5.47 ... 5.935 GHz |

### Electrical data

Impedance	50 $\Omega$
Polarization	3 ports: linear vertical
Radiation characteristic	omnidirectional
Antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 2.4 GHz frequency band	5 dB
• of the WLAN antenna / in the 5 GHz frequency band	7 dB
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	360°
• in the 5 GHz frequency band / horizontal	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 property / silicon-free	Yes
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/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://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>
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