

### product type designation

### Antenna ANT795-6MT

ANT795-6MT IWLAN antenna MIMO antenna with omni-directional characteristic incl. 3x QMA sockets; 5/7 dBi; IP65 (-40-+85 °C), 2.4/5GHz; Wi-Fi compliance and Observe national approvals; mounting on roof, vehicles and ceiling installation; compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6MT, 1x mounting aid for Ceiling installation.



### radio frequencies

type of wireless 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

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
impedance	50 Ω
polarization	3 ports: Linear vertical
radiation characteristic	omnidirectional
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°
number of electrical connections / of the antenna	3
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

### mechanical data

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

### 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 weights

width	282 mm
height	32 mm
depth	92 mm
net weight	320 g
fastening method	
<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
<b>product features, product functions, product 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
<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
Marine classification association / Korean Register of Shipping (KRS)	Yes
product conformity	UL 94-V0
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 web page: selection aid TIA 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>
<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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