

### product type designation



### Antenna ANT795-6MP

ANT795-6MP IWLAN antenna with omnidirectional characteristic; incl. N-Female plug; 5/7 dBi; IP65/67 (-40+80 °C); 2.4/5 GHz Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions on German/English scope of delivery: 1x ANT795-6MP, 1x mounting aid.

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 2.4 GHz frequency band	2.4 ... 2.5 GHz
• for WLAN in 5 GHz frequency band 1	4.94 ... 5.925 GHz
electrical data	
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
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	take the antenna diagram into account regarding the horizontal beam angle
• in the 2.4 GHz frequency band / horizontal	360°
• in the 2.4 GHz frequency band / vertical	25°
• in the 5 GHz frequency band / horizontal	360°
• in the 5 GHz frequency band / vertical	15°
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°
mechanical data	
material	
• of outer shell	UV-resistant white plastic
color	white
ambient conditions	
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
protection class IP	IP65/67
wind load / maximum	19.6 N
resistance to salt-laden atmosphere / conformity according to EN 60068-2-52	Yes; Severity 1
design, dimensions and weights	
width	97 mm
height	367 mm; incl. bracket
depth	64 mm

diameter	28.6 mm
net weight	140 g
fastening method	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• RoHS conformity	Yes
product conformity	UL 94-HB
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	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: WLAN country approval	<a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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last modified:

12/10/2024 