SIEMENS

product type designation	**Antenna ANT795-6MP**

ANT795-6MP IWLAN antenna with omnidirectional characteristic incl. N-female connector: 5/7 dBi; IP65/67 (-40 - +80 °C); 2.4/5 GHz Wi-Fi compliance and national approvals to be observed; Mounting on wall or mast; compact instructions in German/English Scope of delivery: 1x ANT795-6MP, 1 x 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
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

electrical data

impedance	50 Ω
polarization	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	2
radiating angle of the antenna	
● 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°; take the antenna diagram into account regarding the horizontal beam angle
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

ambient conditions

ambient temperature	
● during operation	-40 ... +80 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
protection class IP	IP65/67

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wind load / maximum	19.6 N
resistance to salt-laden atmosphere / conformity acc. 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	300 g
fastening method	
● mast mounting	Yes
● wall mounting	Yes
● roof mounting	No
● directly on the device	No

product features, product functions, product components / general	
product feature / silicon-free	Yes

standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
product conformity	UL 94-HB
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/snst
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

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