

product type designation



Antenna ANT795-6DC

ANT795-6DC IWLAN antenna with weak directional effect; incl. N-female plug: 9 dBi; IP66/67 (-40-+80 °C), 2.4/5GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6DC, 1x mounting aid for alignment

Technical Product Detail Page

<https://l.siemens.com/1P6GK5795-6DC00-0AA0>

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	5.15 ... 5.875 GHz

electrical data

antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 2.4 GHz frequency band	9 dB
• of the WLAN antenna / in the 5 GHz frequency band	9 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	Sector antenna
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	75°
• in the 2.4 GHz frequency band / vertical	55°
• in the 5 GHz frequency band / horizontal	55°
• in the 5 GHz frequency band / vertical	55°
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°
crosstalk attenuation / between the antenna connections	25 dB
front-to-back ratio	15 dB

mechanical data

material	
• of outer shell	Lexan EXL 9330

ambient conditions

ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
protection class IP	IP66/67
wind load / maximum	15 N; at 160 km/h

design, dimensions and weights

width	80 mm
height	101 mm

depth	35 mm
net weight	110 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
• railway application in accordance with EN 50155	Yes
• fire protection in accordance with EN 45545-2	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 www.siemens.com/funkzulassungen
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: WLAN country approval	https://www.siemens.com/wireless-approvals
• to website: Industrial communication	https://www.siemens.com/simatic-net
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• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)

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