

Product type designation



Antenna ANT795-6DC

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

Radio frequencies

Type of mobile network / is supported	WLAN
Operating frequency	
<ul style="list-style-type: none"> • for WLAN in 2.4 GHz frequency band 	2.4 ... 2.5 GHz
<ul style="list-style-type: none"> • for WLAN in 5 GHz frequency band 1 	5.15 ... 5.875 GHz

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	Sector antenna
Antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> • of the WLAN antenna / in the 2.4 GHz frequency band 	9 dB
<ul style="list-style-type: none"> • of the WLAN antenna / in the 5 GHz frequency band 	9 dB
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	
<ul style="list-style-type: none"> • in the 2.4 GHz frequency band / horizontal 	75°
<ul style="list-style-type: none"> • in the 2.4 GHz frequency band / vertical 	55°

<ul style="list-style-type: none"> • in the 5 GHz frequency band / horizontal 	55°
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • of outer shell 	Lexan EXL 9330

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +80 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> • 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
Mounting type	
<ul style="list-style-type: none"> • mast mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • roof mounting 	No
<ul style="list-style-type: none"> • directly on the device 	No

Product features, product functions, product components / general

Product feature / silicon-free	Yes
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Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
<ul style="list-style-type: none"> • Railway application in accordance with EN 50155 	Yes
<ul style="list-style-type: none"> • Fire protection in accordance with EN 45545-2 	Yes
Marine classification association / Korean Register of Shipping (KRS)	Yes
Product conformity	UL 94-V0

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET 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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