

Product type designation



Antenna ANT793-6DG

ANT793-6DG IWLAN antenna Dual-slant antenna with weak directional effect incl. 2x N-female connectors: 9 dBi; IP66/67 (-40 - +80 °C), 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 ANT793-6DG, 1x mounting aid for alignment

Wireless frequencies

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

Electrical data

Impedance	50 Ω
Polarization	dual linear +/- 45° slant
Radiation characteristic	Sector antenna
Antenna gain compared to spherical radiator	9 dB
<ul style="list-style-type: none"> • of the WLAN antenna / in the 5 GHz frequency band 	
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	70°
<ul style="list-style-type: none"> • in the 5 GHz frequency band / horizontal • in the 5 GHz frequency band / vertical 	60°
Number of electrical connections / of the antenna	2
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	20 dB
Front-to-back ratio	20 dB

Mechanical data

Material	
<ul style="list-style-type: none"> of outer shell 	Lexan EXL 9330

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	-40 ... +80 °C
Protection class IP	IP66 / 67
Wind load / maximum	15 N; frontal at 160 km/h

Design, dimensions and weight

Width	80 mm
Height	101 mm
Depth	35 mm
Net weight	110 g
Mounting type	
<ul style="list-style-type: none"> mast mounting wall mounting roof mounting directly on the device 	Yes Yes No No

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity Railway application in accordance with EN 50155 Fire protection in accordance with EN 45545-2 	Yes Yes Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Image database to website: CAx Download Manager 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax

- to website: Industry Online Support

<https://support.industry.siemens.com>

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