

Product type designation



Antenna ANT793-6DG

IWLAN ANTENNA ANT 793-6DG DUAL SLANT ANTENNA WITH WEAK DIRECTIONAL EFFICIENCY INCL. 2X N-FEMALE CONNECTOR: 9 DBI; IP67 (-40-+80DGR C), 5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; WALL OR MAST MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT793-6DG, 1X MOUNTING ALIGNMENT AID

Wireless frequencies

Operating frequency

- for WLAN in 5 GHz frequency band 1

5.15 ... 5.875 GHz

Electrical data

Impedance	50 Ω
Polarization	dual linear +/- 45° slant
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
<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 5 GHz frequency band / horizontal • in the 5 GHz frequency band / vertical 	70° 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
Transmit power / maximum	10 W; at 25° ambient temperature

Mechanical data

Material

- of outer shell

Lexan EXL 9330

Permitted 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	IP67
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 	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

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
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 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

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