

Product type designation



Antenna ANT793-8DJ

IWLAN ANTENNA ANT 793-8DJ VERTICAL-HORIZONTAL POLARIZED W. STRONG DIRECTION. EFFICIENCY INCL.2X N-FEMALE SOCKET; 18DBI; IP65 (-45-+70DGR C), 5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; WALL OR MAST MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT793-8DJ, 1X MOUNTING ALIGNMENT AID

Wireless frequencies

Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 5 GHz frequency band 1	5.25 ... 5.875 GHz

Electrical data

Impedance	50 Ω
Polarization	dual linear vertical-horizontal
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	18 dB
Standing wave ratio (VSWR) / maximum	1.7
Radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	17°
• in the 5 GHz frequency band / vertical	17°
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	30 dB
Front-to-back ratio	30 dB
Transmit power / maximum	6 W; at 25° ambient temperature

Mechanical data

Material	
• of outer shell	Polycarbonate / aluminum

Permitted ambient conditions

Ambient temperature	
• during operation	-45 ... +70 °C
• during storage	-45 ... +70 °C
• during transport	-45 ... +70 °C
Protection class IP	IP67
Wind load / maximum	104 N; frontal at 220 km/h

Design, dimensions and weight

Width	190 mm
Height	190 mm
Depth	30.5 mm
Net weight	700 g
Mounting type	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

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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