

Product type designation



Antenna ANT793-8DJ

ANT793-8DJ IWLAN antenna Vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 18 dBi; IP67 (-45 - +70 °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 ANT793-8DJ, 1x mounting aid for alignment

Wireless frequencies	
Type of mobile network / is supported	WLAN
Operating frequency	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • of the WLAN antenna / in the 5 GHz frequency band 	18 dB
Standing wave ratio (VSWR) / maximum	1.7
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 	17° 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

Mechanical data

Material	
<ul style="list-style-type: none"> of outer shell 	Polycarbonate / aluminum

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation during storage 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	
<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 	Yes
Product conformity	UL 94-HB
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 to website: Industry Online Support 	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 https://support.industry.siemens.com

last modified:

07/15/2019