

Product type designation



Antenna ANT792-8DN

IWLAN ANTENNA ANT 792-8DN WITH STRONG DIRECTIONAL EFFICIENCY INCL. N-FEMALE CONNECTOR: 14 DBI, IP23, OUTDOOR, -40-+70 DGR C, 2.4GHZ WI-FI COMPLIANCE AND NATIONAL APPROVALS WALL OR MAST MOUNTING, COMPACT MANUAL ON PAPER GERMAN/ENGLISH SCOPE OF SUPPLY: 1X ANT792-8DN, 1X TERMINATING RESISTANCE TI795-1R 1X MOUNTING SUPPORT FOR ADJUSTMENT

Wireless frequencies

Operating frequency	2.4 ... 2.7 GHz
<ul style="list-style-type: none"> for WLAN in 2.4 GHz frequency band 	

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	14 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 2.4 GHz frequency band 	
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	35°
<ul style="list-style-type: none"> in the 2.4 GHz frequency band / horizontal in the 2.4 GHz frequency band / vertical 	30°
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°
Front-to-back ratio	20 dB
Transmit power / maximum	75 W; at 25° ambient temperature
Range / with clear line of sight / without disturbance	1000 m; Remark: the distance can be much less and is depending on the space around, on the wireless standard in use, on the data rate and on the antenna installed on the partner station

Mechanical data

Material	
<ul style="list-style-type: none"> • of outer shell 	ASA
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	IP23
Wind load / maximum	57 N; at 160 km/h
Design, dimensions and weight	
Width	200 mm
Height	200 mm
Depth	43 mm
Net weight	500 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 properties, functions, components / general	
Product property / silicon-free	Yes
Standards, specifications, approvals	
Certificate of suitability	
<ul style="list-style-type: none"> • 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	
<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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