

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

Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 2.4 GHz frequency band	2.4 ... 2.7 GHz

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 2.4 GHz frequency band	14 dB
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	35°
• 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	
• of outer shell	ASA

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• 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	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No

Product properties, functions, components / general

Product feature / silicon-free	Yes
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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
- to website: Industry Online Support

<http://www.siemens.com/cax>

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

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