

Product type designation



Antenna ANT792-6MN

IWLAN ANTENNA ANT 792-6MN WITH OMNIDIRECTIONAL CHARACTERISTIC INCL. N-FEMALE CONNECTOR: 6 DBI IP65 (-40-+70 DGR C), 2.4 GHZ WI-FI COMPLIANCE AND NATIONAL APPROVALS WALL OR MAST MOUNTING, COMPACT MANUAL ON PAPER GERMAN/ENGLISH SCOPE OF SUPPLY: 1X ANT792-6MN, 1X TERMINATING RESISTANCE TI795-1R

Wireless frequencies

Operating frequency

- for WLAN in 2.4 GHz frequency band

2.4 ... 2.5 GHz

Electrical data

Impedance

50 Ω

Polarization

linear vertical

Radiation characteristic

omnidirectional

Antenna gain compared to spherical radiator

- of the WLAN antenna / in the 2.4 GHz frequency band

6 dB

Standing wave ratio (VSWR) / maximum

1.8

Radiating angle of the antenna

- in the 2.4 GHz frequency band / horizontal
- in the 2.4 GHz frequency band / vertical

360°

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°

Transmit power / maximum

25 W

Range / with clear line of sight / without disturbance

200 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

Glass fiber

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	IP65
Wind load / maximum	3 N; at 160 km/h

Design, dimensions and weight

Width	50 mm
Height	370 mm
Depth	40 mm
Net weight	300 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
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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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