SIEMENS

Data sheet	6GK5793-8DN00-0AA6

Product type designation	Antenna ANT793-8DN
	IWLAN ANTENNA ANT 793-8DN WITH STRONG DIRECTIONAL EFFICIENCY INCL. N-FEMALE CONNECTOR: 18 DBI IP65 (-40-+70 DGR C), 5GHZ NOTE WI-FI COMPLIANCE AND NATIONAL APPROVALS WALL OR MAST MOUNTING, COMPACT MANUAL ON PAPER GERMAN/ENGLISH SCOPE OF SUPPLY: 1X ANT793-8DN, 1XTERMINATING RESISTANCE TI795-1R 1X MOUNTING SUPPORT FOR ADJUSTMENT

Wireless frequencies	
Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.875 GHz

Electrical data	
Impedance	50 Ω
Polarization	linear, horizontal or vertical
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	1.9
Radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	18°
• in the 5 GHz frequency band / vertical	18°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female

06/27/2017

Angle of inclination / downward / maximum	0°
Front-to-back ratio	30 dB
Transmit power / maximum	6 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	Polypropylene

Permitted ambient conditions

Ambient temperature	
• during operation	-45 ... +70 °C
• during storage	-45 ... +70 °C
• during transport	-45 ... +70 °C
Protection class IP	IP65
Wind load / maximum	104 N; 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

Product properties, functions, components / general

Product feature / silicon-free	Yes

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

last modified: 06/15/2017