

### Product type designation



### Antenna ANT793-8DJ

IWLAN ANTENNA ANT 793-8DJ VERTICAL-HORIZONTAL POLARIZED W. STRONG DIRECTION. EFFICIENCY INCL. 2X N-FEMALE SOCKET; 18DBI; IP65 (-45-+70DGR C), 5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; WALL OR MAST MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT793-8DJ, 1X MOUNTING ALIGNMENT AID

### Wireless frequencies

Type of mobile network / is supported	WLAN
Operating frequency	5.25 ... 5.875 GHz
<ul style="list-style-type: none"> <li>for WLAN in 5 GHz frequency band 1</li> </ul>	

### Electrical data

Impedance	50 $\Omega$
Polarization	dual linear vertical-horizontal
Radiation characteristic	directional
Antenna gain compared to spherical radiator	18 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	
Standing wave ratio (VSWR) / maximum	1.7
Radiating angle of the antenna	17°
<ul style="list-style-type: none"> <li>in the 5 GHz frequency band / horizontal</li> <li>in the 5 GHz frequency band / vertical</li> </ul>	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
Transmit power / maximum	6 W; at 25° ambient temperature

### Mechanical data

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

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-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"> <li>mast mounting</li> <li>wall mounting</li> <li>roof mounting</li> <li>directly on the device</li> </ul>	Yes Yes No No

### Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
Wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx Download Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>  <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

last modified:

15.02.2016