

### Product type designation



### Antenna ANT793-6DT

ANT793-6DT IWLAN antenna MIMO antenna with weak directional effect incl. 3x QMA sockets, 8 dBi; IP67 (-40-+85 °C), 5 GHz; Wi-Fi compliance and Observe national approvals; Mounting on wall or mast; compact instructions as hard copy English/German; scope of delivery: 1x ANT793-6DT, 1x mounting aid for alignment

Wireless frequencies	
Type of mobile network / is supported	WLAN
Operating frequency	5.15 ... 5.875 GHz
<ul style="list-style-type: none"> <li>for WLAN in 5 GHz frequency band 1</li> </ul>	
Electrical data	
Impedance	50 Ω
Polarization	3 ports: vertical, +/- 45° slant
Radiation characteristic	Sector antenna
Antenna gain compared to spherical radiator	8 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	65°
<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>	65°
Number of electrical connections / of the antenna	3
Type of electrical connection / of the antenna	QMA Connector
Design of plug-in connection	female

Angle of inclination / downward / maximum	0°
Crosstalk attenuation / between the antenna connections	17 dB

### Mechanical data

Material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	Lexan EXL 9330

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +85 °C
Protection class IP	IP66 / 67
Wind load / maximum	15 N; frontal at 160 km/h

### Design, dimensions and weight

Width	80 mm
Height	101 mm
Depth	35 mm
Net weight	270 g
Mounting type	
<ul style="list-style-type: none"> <li>mast mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>roof mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>directly on the device</li> </ul>	No

### Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Railway application in accordance with EN 50155</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Fire protection in accordance with EN 45545-2</li> </ul>	Yes
Product conformity	UL 94-V0, UL 746C F1
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> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

- to website: Industry Online Support

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

**last modified:**

10/30/2018