

### product type designation



### Antenna ANT792-8DN

ANT792-8DN WLAN antenna with strong directional effect incl. N-female plug: 14 dBi, IP23, outdoor, (-40-+70 °C); 2.4 GHz, Wi-Fi compliance observe national approvals; mounting on wall or mast, compact instructions as hard copy German/English, scope of delivery: 1x ANT792-8DN, 1x mounting aid for alignment 1x mounting aid for alignment .

Technical Product Detail Page

<https://i.siemens.com/1P6GK5792-8DN00-0AA6>

### radio frequencies

|                                         |                 |
|-----------------------------------------|-----------------|
| type of wireless network / is supported | WLAN            |
| operating frequency                     |                 |
| • for WLAN in 2.4 GHz frequency band    | 2.4 ... 2.7 GHz |

### electrical data

|                                                       |                 |
|-------------------------------------------------------|-----------------|
| antenna gain compared to spherical radiator           |                 |
| • of the WLAN antenna / in the 2.4 GHz frequency band | 14 dB           |
| impedance                                             | 50 Ω            |
| polarization                                          | Linear Vertical |
| radiation characteristic                              | directional     |
| 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           |

### mechanical data

|                  |     |
|------------------|-----|
| material         |     |
| • of outer shell | ASA |

### 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 weights

|                  |        |
|------------------|--------|
| width            | 200 mm |
| height           | 200 mm |
| depth            | 43 mm  |
| net weight       | 500 g  |
| fastening method |        |
| • mast mounting  | Yes    |
| • wall mounting  | Yes    |

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| <ul style="list-style-type: none"> <li>• roof mounting</li> <li>• directly on the device</li> </ul>                                                                                                                                                                                                                                                                                                                                 | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                     | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>product features, product functions, product components / general</b>                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| product feature / silicon-free                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>standards, specifications, approvals</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>further information / internet links</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| internet link                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: WLAN country approval</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a><br><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a><br><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>security information</b>                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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