

product type designation

Antenna ANT795-6MT

ANT795-6MT IWLAN antenna MIMO antenna with omni-directional characteristic incl. 3x QMA sockets; 5/7 dBi; IP65 (-40-+85 °C), 2.4/5GHz; Wi-Fi compliance and Observe national approvals; mounting on roof, vehicles and ceiling installation; compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6MT, 1x mounting aid for Ceiling installation.



product brand name

SCALANCE

Technical Product Detail Page

<https://l.siemens.com/1P6GK5795-6MT00-0AA0>

radio frequencies

type of wireless network / is supported

WLAN

operating frequency

- for WLAN in 2.4 GHz frequency band
- for WLAN in 5 GHz frequency band 1
- for WLAN in 5 GHz frequency band 2

2.4 ... 2.69 GHz
5.15 ... 5.35 GHz
5.47 ... 5.935 GHz

electrical data

antenna gain compared to spherical radiator

- of the WLAN antenna / in the 2.4 GHz frequency band
- of the WLAN antenna / in the 5 GHz frequency band

5 dB
7 dB

impedance

50 Ω

polarization

3 ports: Linear vertical

radiation characteristic

omnidirectional

standing wave ratio (VSWR) / maximum

1.5

radiating angle of the antenna

- in the 2.4 GHz frequency band / horizontal
- in the 5 GHz frequency band / horizontal

360°
360°

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

20 dB

mechanical data

material

- of outer shell

Polycarbonate

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-40 ... +85 °C
-40 ... +85 °C
-40 ... +85 °C

protection class IP

IP65

design, dimensions and weights

width

282 mm

height

32 mm

depth

92 mm

net weight

320 g

fastening method	
• mast mounting	No
• wall mounting	Yes
• roof mounting	Yes
• directly on the device	No
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
• railway application in accordance with EN 50155	Yes
• fire protection in accordance with EN 45545-2	Yes
Marine classification association / Korean Register of Shipping (KRS)	Yes
product conformity	UL 94-V0
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: WLAN country approval	https://www.siemens.com/wireless-approvals
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
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security information	
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