

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.



radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
<ul style="list-style-type: none"> 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
antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> 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
electrical data	
impedance	50 Ω
polarization	3 ports: Linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> 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
standing wave ratio (VSWR) / maximum	1.5
radiating angle of the antenna	
<ul style="list-style-type: none"> in the 2.4 GHz frequency band / horizontal in the 5 GHz frequency band / horizontal 	360° 360°
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	
<ul style="list-style-type: none"> of outer shell 	Polycarbonate
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> 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
reference code	
• according to IEC 81346-2	TF
• according to IEC 81346-2:2019	TFB
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA 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	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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