

product type designation



Antenna ANT795-4MX

ANT795-4MX antenna with omnidirectional characteristic; with railway approval; incl. N-Connect male plug straight: 2/2.5 dBi; IP68/69K (-40-+85 °C), WLAN 2.4/5 GHz and private 5G networks; Wi-Fi compliance and observe national approvals; direct mounting on SCALANCE devices with N-Connect connection system; scope of delivery: 1x ANT795-4MX, compact instructions as hard copy German/English.

product brand name	SCALANCE
Technical Product Detail Page	https://l.siemens.com/1P6GK5795-4MX00-0AA0
radio frequencies	
type of wireless network / is supported	5G private networks, WLAN
operating frequency / 1	1700 ... 2000 MHz
operating frequency / 2	2000 ... 2700 MHz
operating frequency / 3	2700 ... 3800 MHz
operating frequency / 4	4900 ... 5925 MHz
operating frequency / 5	5925 ... 7125 MHz
operating frequency	
• for WLAN in 2.4 GHz frequency band	2.4 ... 2.7 GHz
• for WLAN in 5 GHz frequency band 1	4.9 ... 5.92 GHz
electrical data	
antenna gain compared to spherical radiator	
• with linear radiation / in operating frequency area 1 / typical	1.5 dB
• with linear radiation / in operating frequency area 2 / typical	2 dB
• with linear radiation / in operating frequency area 3 / typical	1.5 dB
• with linear radiation / in operating frequency area 4 / typical	2 dB
• with linear radiation / in operating frequency area 5 / typical	2.5 dB
• with linear radiation / in operating frequency area 6 / typical	3 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	360°
• in the 5 GHz frequency band / horizontal	360°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	male, straight
angle of inclination / downward / maximum	0°
mechanical data	
material	
• of outer shell	ASA

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	IP68/IP69K
shock resistance	according to EN61373, category1, class b (for railway carriage)
design, dimensions and weights	
height	55 mm
diameter	22 mm
net weight	50 g
fastening method	
<ul style="list-style-type: none"> wall mounting roof mounting directly on the device 	No No Yes
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity railway application in accordance with EN 50155 fire protection in accordance with EN 45545-2 	Yes Yes Yes
product conformity	UL 94-HB
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to web page: WLAN country approval to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/wireless-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>

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