SIEMENS

Data sheet 6NH9870-1AA00

product type designation



Antenna ANT794-3M

ANT794-3M mobile wireless antenna for 2G, GSM networks, flat antenna for 900/1800/ 1900 MHz; weatherproof for indoor and outer area; 1.2 m Connection cable permanently connected to the antenna; SMA connector; incl. adhesive tape for mounting.

product brand name	SCALANCE
Technical Product Detail Page	https://i.siemens.com/1P6NH9870-1AA00
suitability for operation	for indoor and outdoor applications
radio frequencies	
type of wireless network / is supported	GSM
operating frequency	900 MHz, 1800 MHz, 1900 MHz
electrical data	
antenna gain	0 dB
radiation characteristic	directional
standing wave ratio (VSWR) / maximum	1.5
type of electrical connection / of the antenna	SMA Connector
design of plug-in connection	male
mechanical data	
material	
● of outer shell	ABS Polylac PA-765, light gray (RAL 7035)
ambient conditions	
ambient temperature	
● during operation	-40 ... +75 °C
protection class IP	IP64
design, dimensions and weights	
width	70.5 mm
height	20.5 mm
depth	146.5 mm
net weight	130 g
fastening method	screw fixing
fastening method	
● mast mounting	Yes
● flat roof mounting	No
● wall mounting	Yes
● roof mounting	No
● directly on the device	No
wire length / of antenna cable	1.2 m
standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358

Subject to change without notice
© Copyright Siemens

● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Mobile radio national approval	https://www.siemens.com/mobile-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
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
security information	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)

last modified:	3/10/2026

Subject to change without notice
© Copyright Siemens