

Newsteo™ - Antenna line

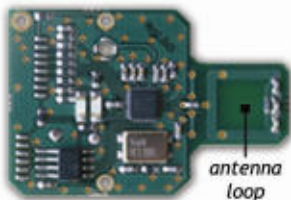
According to the wanted range and directivity, Newsteo™ is able to propose the antenna corresponding to your needs.

Product antenna	Loop	WHIP ¼ wavelength	Omnidirectional ¼ wavelength	½ wavelength	Full wavelength	Triple wavelength	Yagi 5	Yagi 7
Key antenna								
Loop	30 m							
WHIP ¼ wavelength	170 m	850 m						
Omnidirectional ¼ wavelength	171 m	900 m	910 m					
½ wavelength	240 m	1,2 km	1,2 km	1,7 km				
Full wavelength	300 m	1,5 km	1,6 km	2,2 km	2,8 km			
Triple wavelength	400 m	2 km	2,1 km	3 km	3,7 km	5 km		
Yagi 5	470 m	2,5 km	2,5 km	3,5 km	4,4 km	5,9 km	7,1 km	
Yagi 7	600 m	3,1 km	3,1 km	4,4 km	5,5 km	7,4 km	8,9 km	11 km

The given ranges are indicative. They can be dependent on the directivity of the antenna and are given in free space. They must systematically be validated in the real environment.

Yagi antennas 5 and 7 are very directional, range values are consequently given for one direction.

Loop antenna



This is the antenna which is present on the Newsteo™ RF Token. It is integrated in the product itself.

Real size of the antenna:
1,2 cm x 1,2 cm x 0,2 cm
0.47" x 0.47" x 0.08"

WHIP ¼ wavelength antenna



Light and mobile antenna.

Real size of the antenna:
8,6 cm x 1 cm x 1 cm
3.38" x 0.39" x 0.39"

Omnidirectional ¼ wavelength antenna



¼ wave antenna with limited mobility but omnidirectional

Real size of the antenna:
22 cm x 15 cm x 15 cm
8.66" x 5.91" x 5.91"

½ wavelength antenna



Light and mobile antenna.

Real size of the antenna:
15 cm x 1 cm x 1 cm
5.9" x 0.39" x 0.39"

Full wavelength antenna



Light antenna for a high range.

Real size of the antenna:
41 cm x 24 cm x 24 cm
16.14" x 9.45" x 9.45"

Triple wavelength antenna



Antenna with limited mobility but for very high ranges.

Real size of the antenna:
106 cm x 46 cm x 46 cm
41.73" x 18.11" x 18.11"

Yagi antennas



Yagi antennas 5 and 7 branches are very directional.

Real size of the antenna:
45 cm x 20 cm x 5 cm
17.72" x 7.87" x 1.97"

Contact



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