



# The World's smallest terminal mount 5G antenna

## Apex TG.66

### Features:

- 5G/4G wideband cellular antenna (600MHz - 6GHz)
- Fantastic efficiency across all bands
- Super small form factor with rotating hinged design for adjustable positioning
- Monopole antenna design suitable for devices with a small ground plane
- Omnidirectional gain patterns for optimum coverage

Dimensions: 71 x Ø10mm

The Taoglas **Apex TG.66** is a hinged monopole antenna with a robust yet stylish PC enclosure. It's designed to cover all global 5G/4G frequencies between 600MHz and 6GHz. Despite its miniature size (70.3 x Ø10mm), the TG.66 exhibits omnidirectional radiation patterns and provides stable gain across the azimuth for reliable connectivity. With a rotating 90° hinged SMA connector, you can covertly install the TG.66 on various gateways and routers, either straight, or at an angle - this allows the antenna to be rotated to the preferred orientation and ensures avoidance of other antennas or objects. Isolation is enhanced by pointing antennas in different directions in MIMO systems or when other antennas are present on the same device. When it's positioned on the edge of a small ground plane of just 120 x 45mm, the TG.66 performs excellently at 5G bands with efficiencies over 45% across the entire 5G/4G spectrum. The Apex TG.66 is part of an ever-growing portfolio of 5G antennas offered by Taoglas. The hinged SMA connector can be customized subject to MOQ and NRE. Contact your regional Taoglas customer support team for more information.



### Typical Applications:

- Gateways and routers
- IoT Sensors
- Public safety and security
- Point of sales terminals
- Smart home automation
- Robotics/autonomous



Electrical					
Band	Frequency (MHz)		Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)
<b>5GNR/4G</b> Band 71	617~698	Straight	73.5	-1.3	1.9
		Bent	61.5	-2.1	1.4
<b>4G/3G</b> Band 12,13,14,17,28,29	698~824	Straight	79.5	-1	2.6
		Bent	79	-1	2.6
<b>4G/3G/NB-IoT/Cat M</b> Band 5,8,18,19,20,26,27	824~960	Straight	61.8	-2.1	2.4
		Bent	64.2	-1.9	2
<b>5GNR/4G</b> Band 21,32,74,75,76	1427~1518	Straight	53.8	-2.7	2.8
		Bent	49.4	-3.1	2.7
<b>4G/3G</b> Band 1,2,3,4,9,23,25,35,39,66	1710~2200	Straight	56.6	-2.5	2.4
		Bent	60.8	-2.2	4.2
<b>4G/3G</b> Band 7,30,38,40,41	2300~2690	Straight	45.1	-3.5	1.3
		Bent	49.9	-3	4.4
<b>5GNR/4G</b> Band 22,42,48,77,78,79	3300~5000	Straight	54.9	-2.6	4.8
		Bent	53.5	-2.7	4.3
<b>LTE5200/ Wi-Fi 5800</b>	5150~5925	Straight	45.1	-3.5	1.1
		Bent	56.4	-2.5	2.7



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 [Click here for the Apex TG.66 datasheet](#)