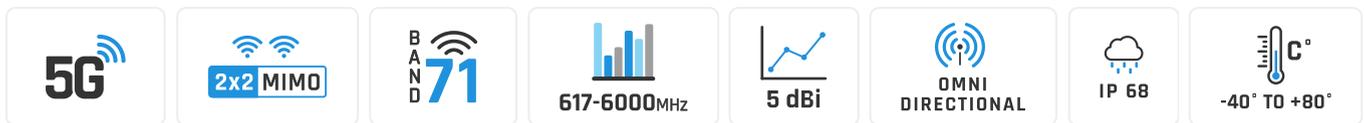


Thunder Integrated Omni for Digi IX10

INTEGRATED MULTI-BAND 5G OMNI ANTENNA + POE SPLITTER + PLACE TO INSTALL DIGI IX10 (ALL-IN-ONE)

Thunder Integrated Omni antenna for **DIGI IX10** router is a perfect outdoor device for mobile and fixed installations like industrial, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni 5G antenna. If you use IX10 with Thunder Integrated Omni antenna, you get an integrated complete solution with embedded router and multi band antennas in one enclosure.

The set contains a [Passive PoE splitter](#), allowing you to split data and power from a single Ethernet cable and maintain gigabit transfer speeds while protecting the LAN port from damage caused by overvoltage, short circuit or improper connection.



5G/LTE ANTENNA SPECIFICATION

FREQUENCY	617 - 960 MHz 1.7 - 2.7 GHz 3.3 - 4.7 GHz 5.2 - 6.0 GHz
GAIN	617 - 960 MHz : 3 dBi 1.7 - 2.7 GHz : 4 dBi 3.3 - 4.7 GHz : 4.5 dBi 5.2 - 6.0 GHz : 2.5dBi
SUPPORTED LTE/5G BANDS	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 48, 49, 52, 53, 59, 62, 65, 66, 67, 68, 69, 71, 85, n78, n80, n81, n82, n83, n84, n86, n89, n90, n95
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° ±5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE
CONNECTOR TYPE	RJ45
INGRESS PROTECTION	IP68
DIMENSIONS	160 x 160 x 240 mm 6.3 x 6.3 x 9.45 inch
WEIGHT	1.5 kg 3.31 lbs
OPERATING TEMPERATURE	From -40°C to 80°C From -40°F to 176°F
MAST DIAMETER	40-60 mm 1.57-2.36 inch

FREQUENCY BANDS

LTE / 4G GSM	<table border="1"> <tr> <td>5</td> <td>8</td> <td>12</td> <td>13</td> <td>14</td> <td>17</td> <td>18</td> <td></td> </tr> <tr> <td>19</td> <td>20</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>44</td> <td>960 MHz</td> </tr> <tr> <td>67</td> <td>68</td> <td>85</td> <td>103</td> <td>n81</td> <td>n82</td> <td>n83</td> <td></td> </tr> <tr> <td>n89</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	5	8	12	13	14	17	18		19	20	26	27	28	29	44	960 MHz	67	68	85	103	n81	n82	n83		n89	100						
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19	20	26	27	28	29	44	960 MHz																										
67	68	85	103	n81	n82	n83																											
n89	100																																
LTE / 4G UMTS	<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>9</td> <td>10</td> <td>25</td> <td></td> </tr> <tr> <td>33</td> <td>34</td> <td>35</td> <td>36</td> <td>37</td> <td>39</td> <td>n80</td> <td>2170 MHz</td> </tr> <tr> <td>n84</td> <td>n86</td> <td>n95</td> <td>n98</td> <td>n101</td> <td></td> <td></td> <td></td> </tr> </table>	1	2	3	4	9	10	25		33	34	35	36	37	39	n80	2170 MHz	n84	n86	n95	n98	n101											
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33	34	35	36	37	39	n80	2170 MHz																										
n84	n86	n95	n98	n101																													

LTE / 4G WCS DARS2300
MHz

30

40

n97

2400
MHz**LTE / 4G**2400
MHz

7

38

41

53

69

n90

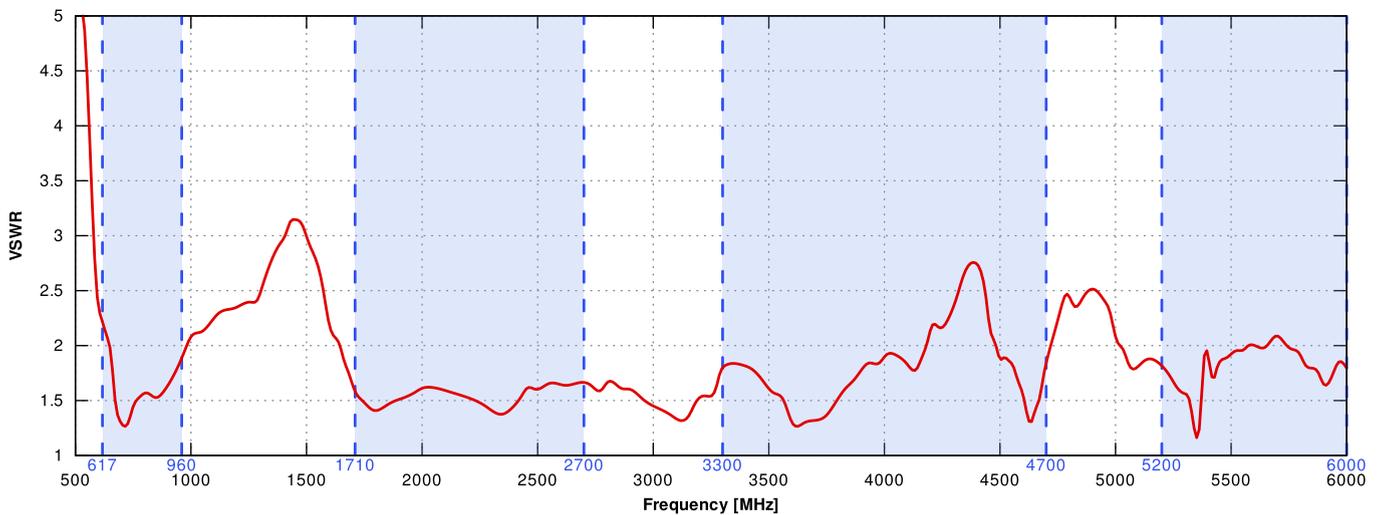
2700
MHz

COMPATIBLE ROUTERS

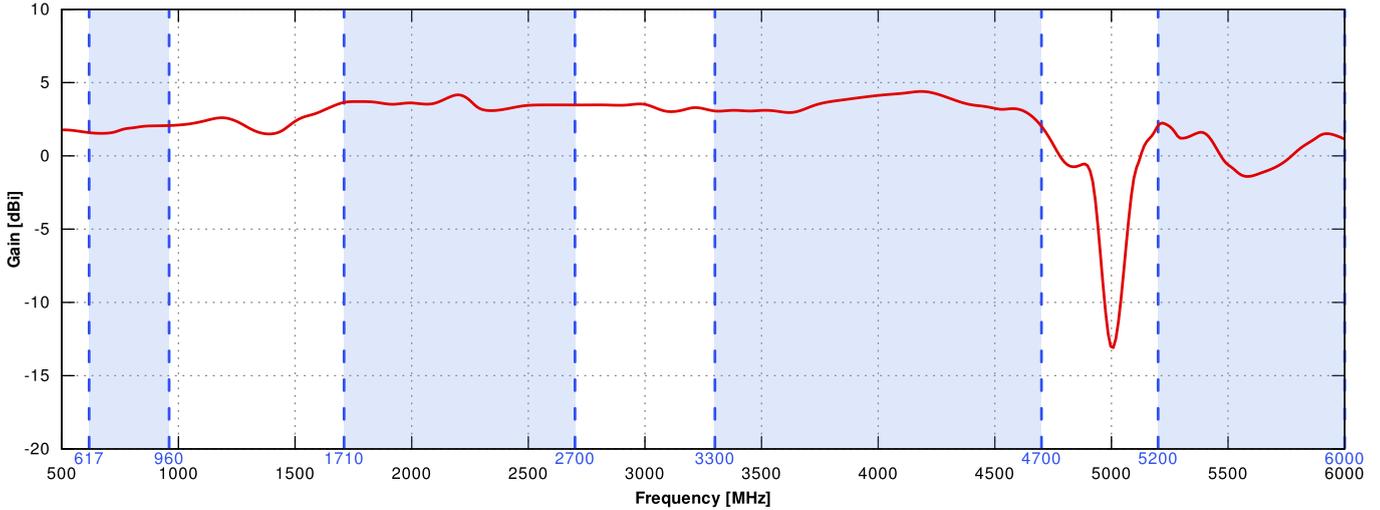
VARIANT: ADIX10S

PLOTS

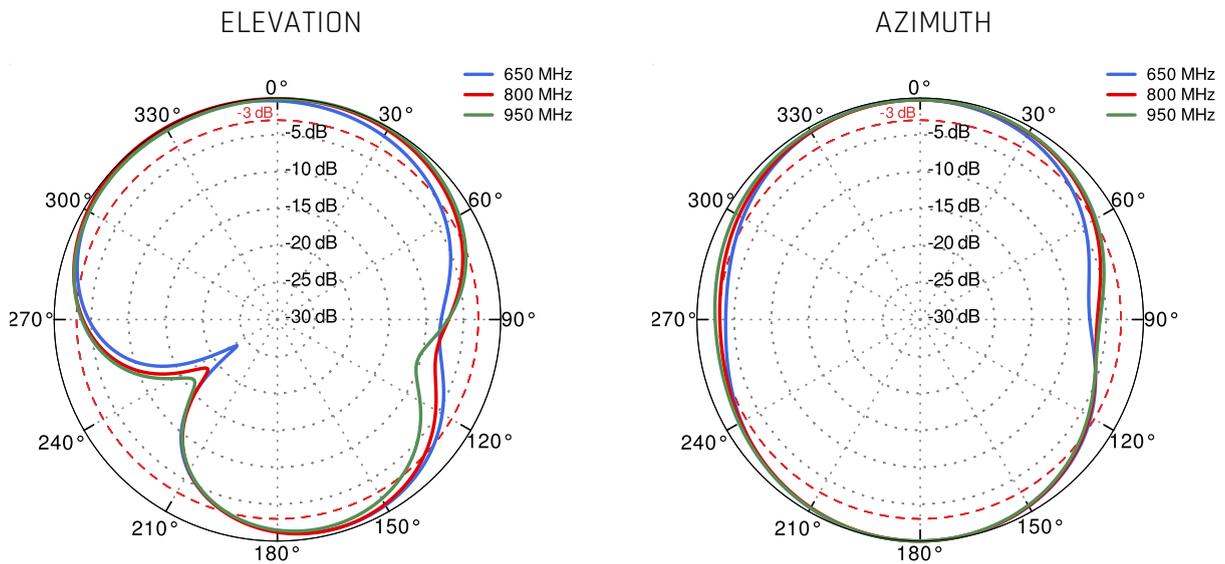
VSWR for 5G/LTE antenna



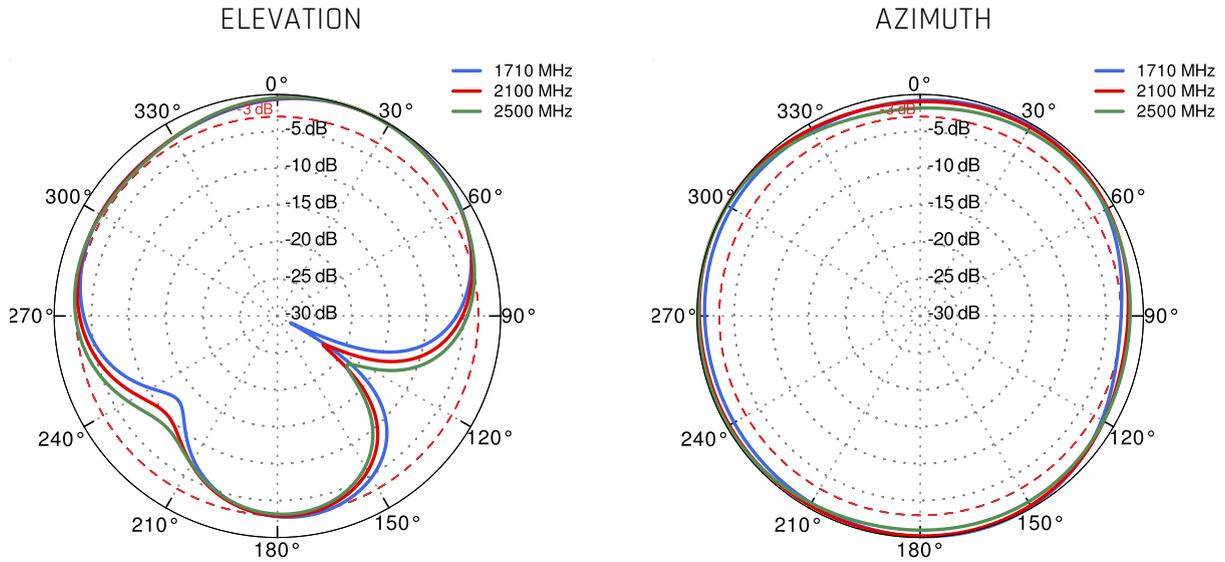
Gain for 5G/LTE antenna



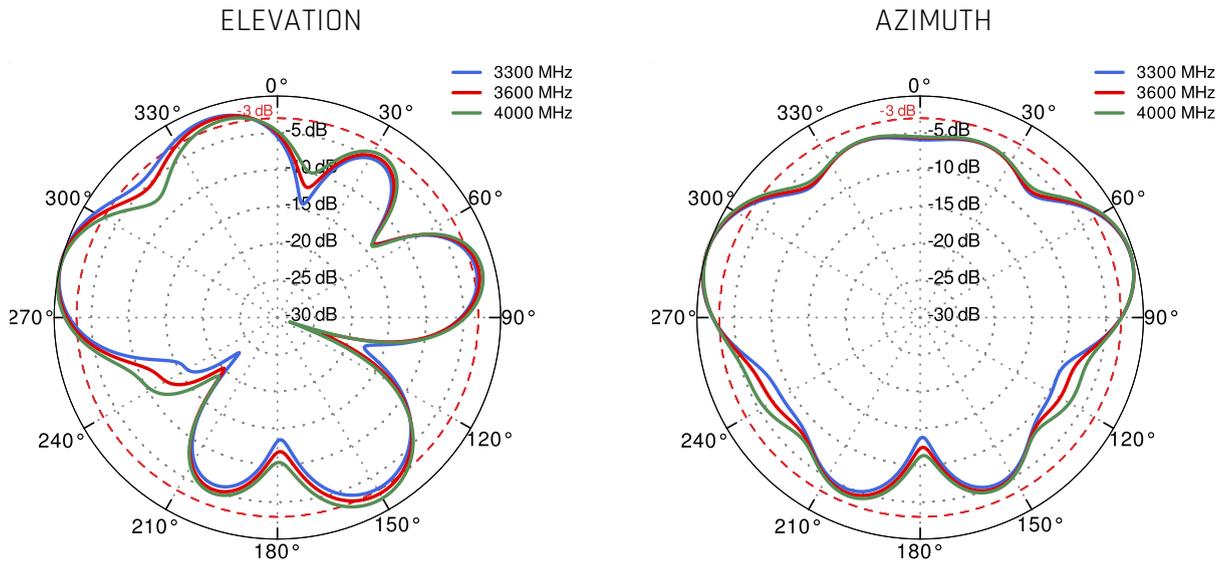
5G/LTE from 650MHz to 950MHz



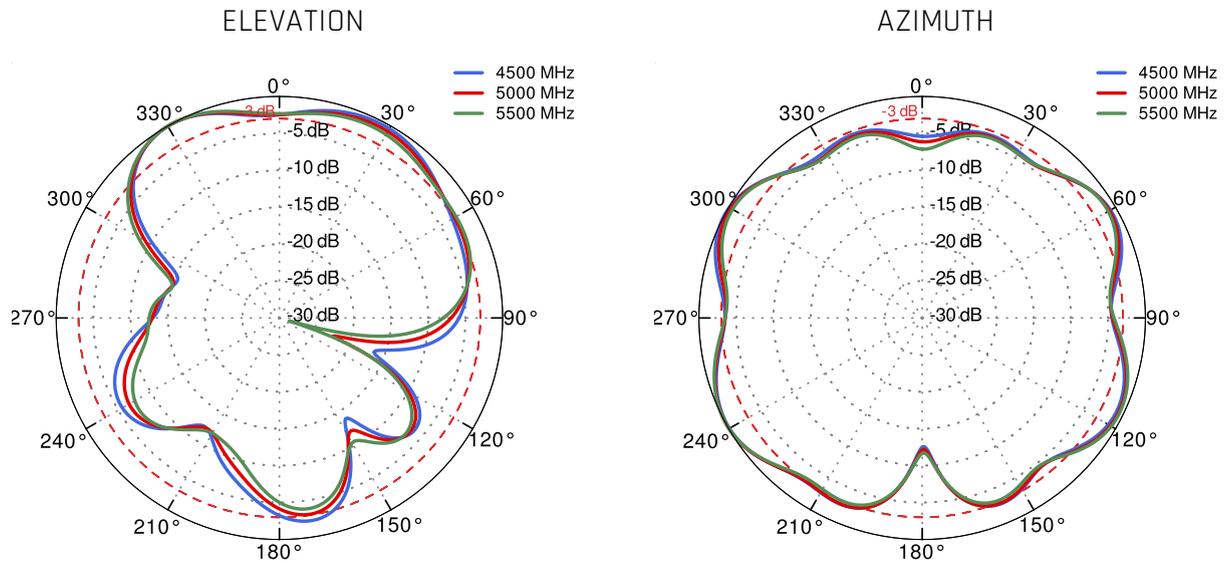
5G/LTE from 1.71GHz to 2.5GHz



5G/LTE from 3.3GHz to 4.0GHz



5G/LTE from 4.5GHz to 5.5GHz



DIMENSIONS

