

# QuMax Omni for DIGI IX20

## INTEGRATED MULTI-BAND 5G OMNI ANTENNA + WIFI OMNI ANTENNA + GPS ANTENNA + PLACE TO INSTALL DIGI IX20 (ALL-IN-ONE)

QuMax Omni all-in-one antenna for **DIGI IX20** router is a perfect outdoor device for mobile and fixed installations like industrial, public, CCTV, hotspots, yachts, boats, campers, RV etc. It has embedded omni 2\*5G, 2\*Wi-Fi and GPS antenna. If you use IX20 with QuMax 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.



OUTDOOR ANTENNA WORKS IN ANY WEATHER CONDITIONS, IP67



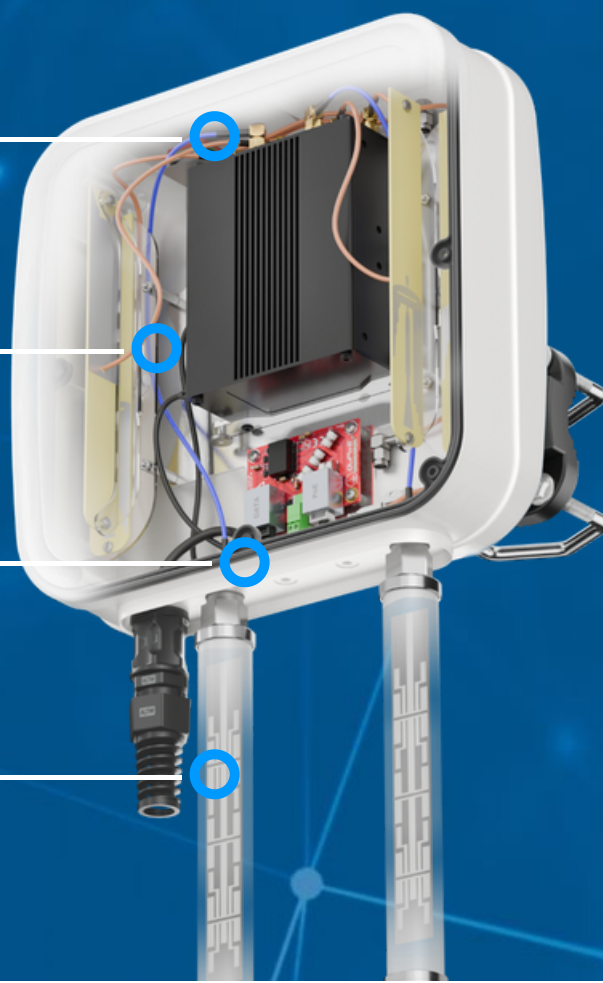
ANTENNA PERFECTLY MATCHED WITH THE DIGI IX20



ALL ANTENNAS AND DIGI ROUTER INTEGRATED IN ONE ENCLOSURE



MADE IN **EUROPE**



## 5G / LTE 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 : 2.5dBi
SUPPORTED LTE BANDS	1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 71, 85, 103, 106
SUPPORTED 5G BANDS	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n47, n48, n53, n65, n66, n67, n71, n77, n78, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n97, n98, n100, n101, n256
VSWR	<1.80, max <2.00
BEAMWIDTH	360°/35° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## WI-FI SPECIFICATION

FREQUENCY	2.4 - 2.5 GHz 5.0 - 6.0 GHz
GAIN	2.4 - 2.5 GHz: 6 dBi 4.7 - 6 GHz : 7 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 $\Omega$

## MECHANICAL SPECIFICATION

MATERIAL	BS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	272 x 276 x 96 mm 10.71 x 10.87 x 3.78 inch
WEIGHT	1.8 kg 3.97 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F
ENCLOSURE RECOMMENDED TIGHTENING TORQUE	0,6 - 0,8 Nm

## MOUNTING KIT

### DIMENSIONS

9.9 x 10.5 x 14.8 cm  
3.9 x 4.13 x 5.83 inch

### REGULATION RANGE

+/- 30°

### MAST DIAMETER RANGE

25 - 66mm  
0.98-2.60 inch

### MATERIAL

Polyamide with fiberglass + galvanized steel U-Bolts

### WEIGHT

0.87kg

### MOUNTING PLACE

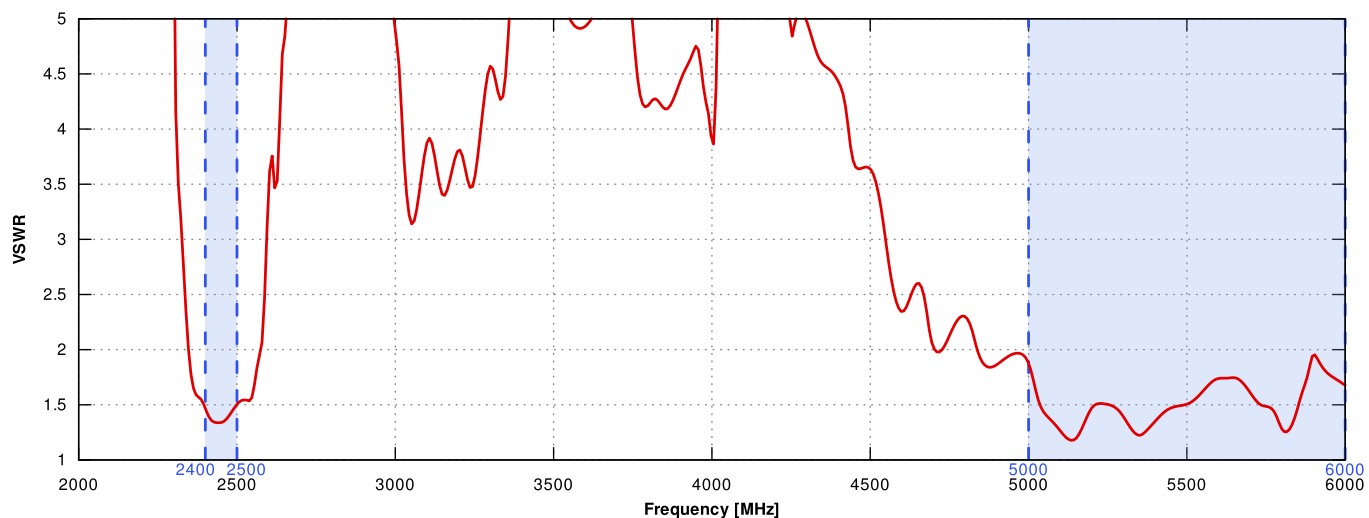
Wall or mast or ceiling

## PLOTS

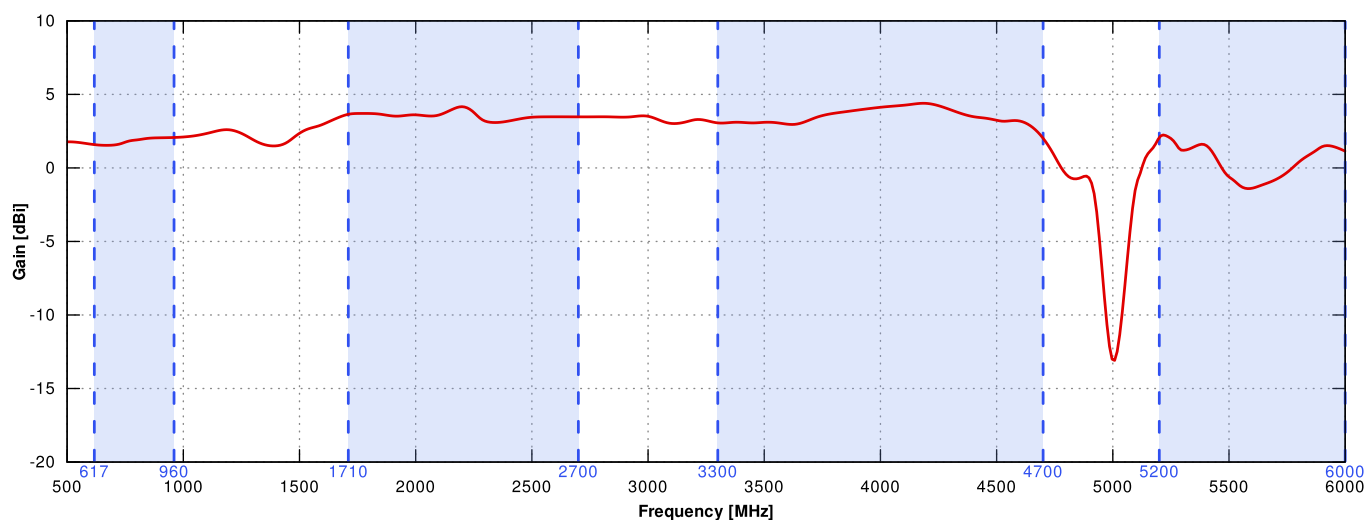
### 5G/LTE VSWR



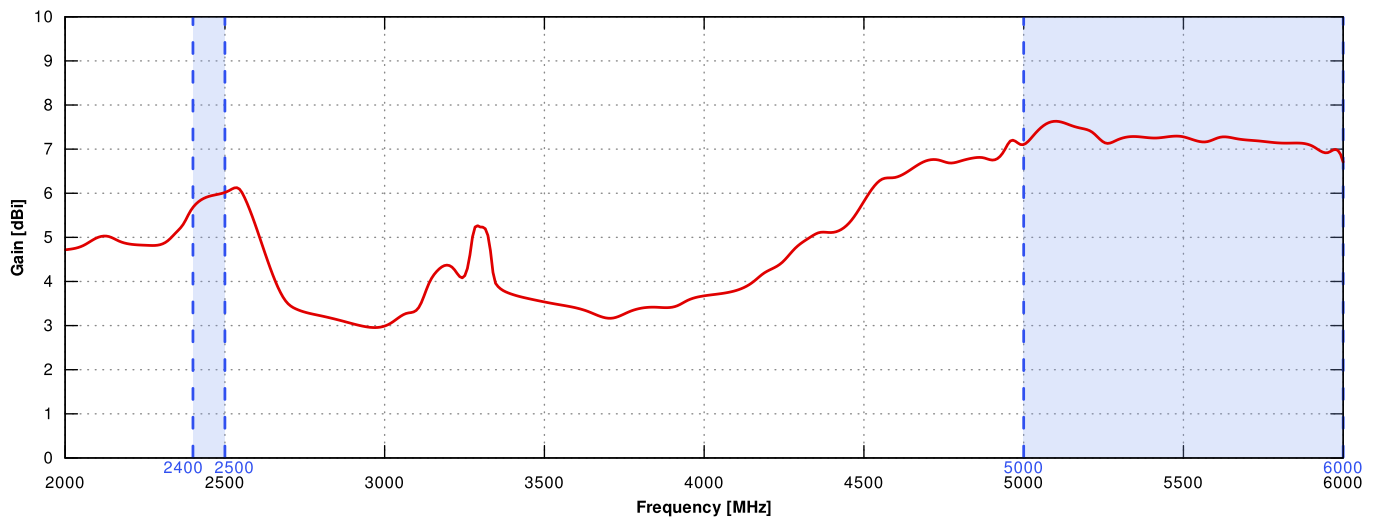
## WI-FI VSWR



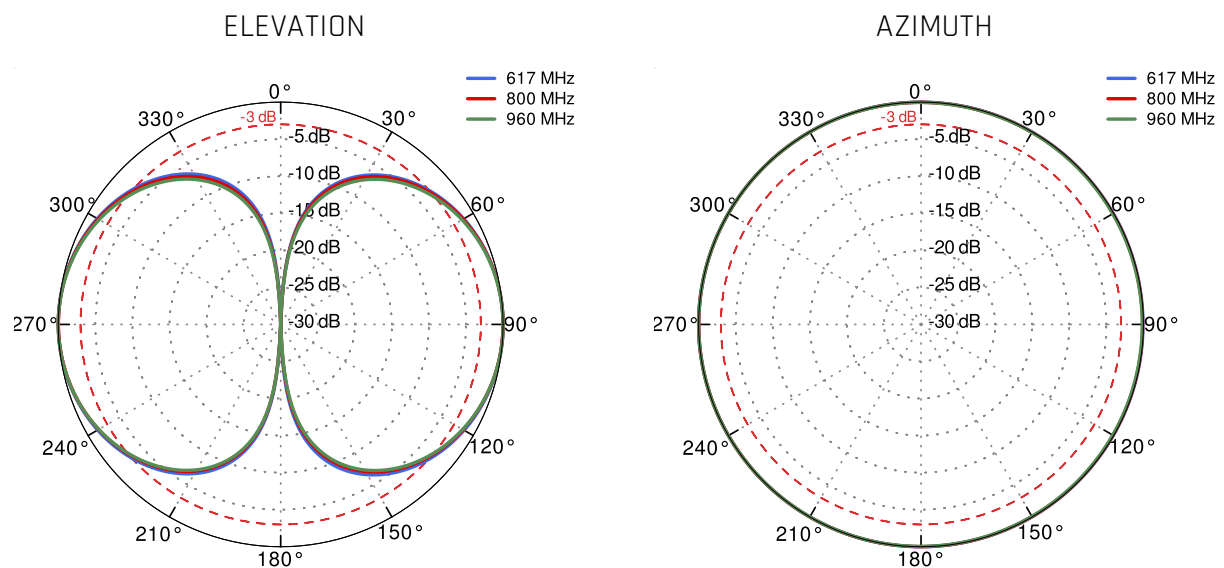
## 5G/LTE Gain



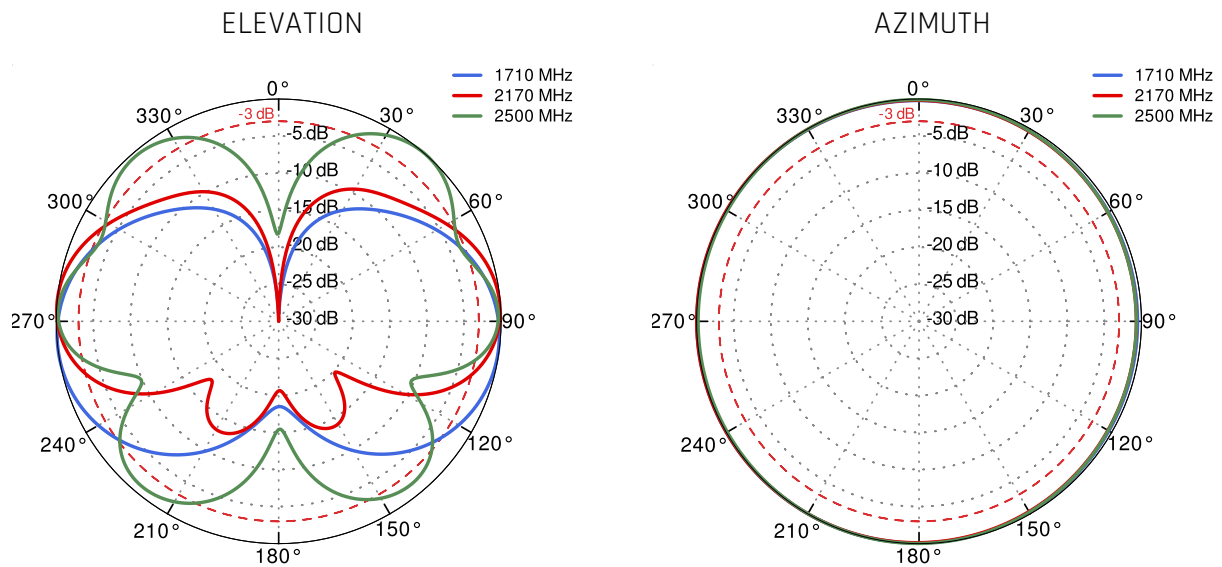
## Wi-Fi Gain



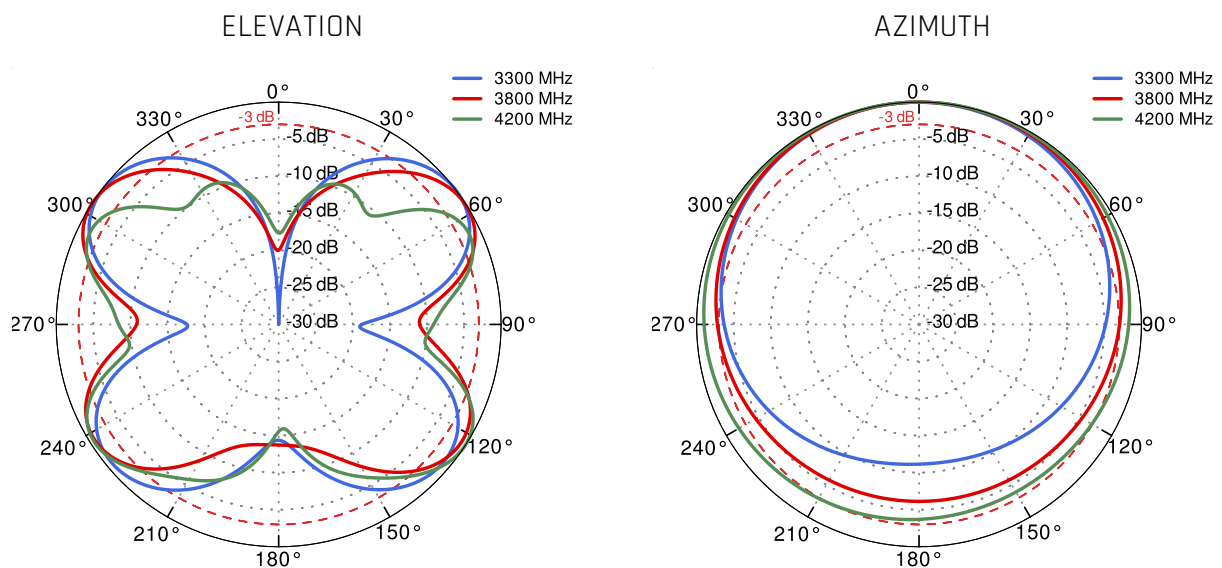
## 5G/LTE from 617MHz to 950MHz



## 5G/LTE from 1.71GHz to 2.5GHz



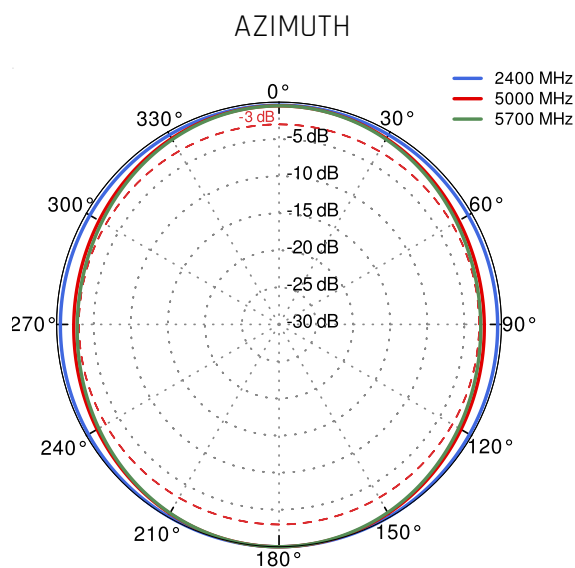
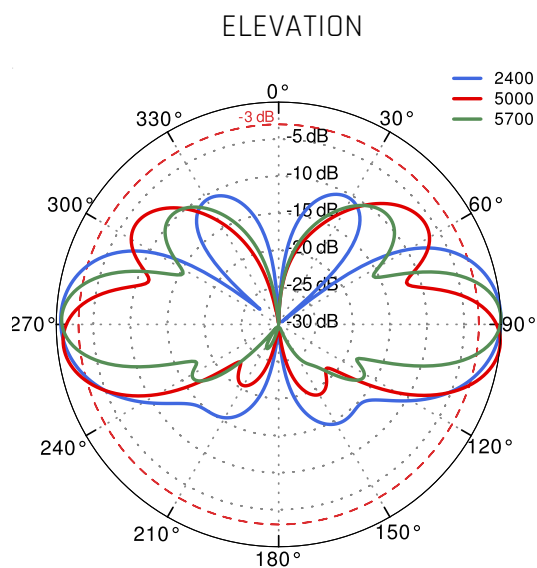
## 5G/LTE from 3.3GHz to 4.2GHz



## 5G/LTE from 4.6GHz to 5.5GHz



## Wi-Fi 2.4GHz and 5GHz and 6GHz





## DIMENSIONS

