

# QuCube for DIGI IX10 AT

**INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + ACTIVE 802.3AT POE SPLITTER + PLACE TO INSTALL DIGI IX10 (ALL-IN-ONE)**

**QuCube for DIGI IX10 AT** is a revolutionary outdoor antenna solution that combines minimized dimensions with exceptional antenna performance. Designed specifically as an **antenna for DIGI IX10 router**, it delivers reliable, high-speed wireless connectivity in even the most demanding environments.

This all-in-one unit integrates high-gain omnidirectional **5G antennas** with DIGI routers into a compact, rugged **IP68-rated waterproof enclosure**. The integration reduces installation complexity while enabling rapid deployment of advanced outdoor 5G solutions.

Engineered for outdoor and mobile applications, **QuCube** is ideal for use in transportation systems, for underground connectivity or urban and public installations. It ensures consistent performance wherever dependable connectivity is essential.

The set contains a [802.3at 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. Using QuWireless splitter provides 3KA surge and lightning protection.



OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP68



ANTENNA **PERFECTLY MATCHED** WITH THE ROUTER



MADE IN **EUROPE**



## 5G/LTE SPECIFICATION

<b>FREQUENCY</b>	0.58 - 2.0 GHz 2.0 - 3.5 GHz 3.5 - 5.0 GHz 5.0 - 6.35 GHz
<b>MAX. GAIN</b>	0.58 - 2.0 GHz : 2 dBi 2.0 - 3.5 GHz : 3.2 dBi 3.5 - 5.0 GHz : 3.1 dBi 5.0 - 6.35 GHz : 3.8 dBi
<b>SUPPORTED LTE BANDS</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 85, 103, 106, 107, 111, 252, 253, 254, 255, 256
<b>SUPPORTED 5G BANDS</b>	n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n50, n51, n53, n54, n65, n66, n67, n68, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n97, n98, n99, n100, n101, n105, n106, n109, n110, n250, n251, n252, n253, n254, n255, n256
<b>VSWR</b>	<2.50, max <3.00
<b>BEAMWIDTH</b>	360°/35° ±5°
<b>POLARIZATION</b>	Vertical
<b>IMPEDANCE</b>	50 Ω

## MECHANICAL SPECIFICATION

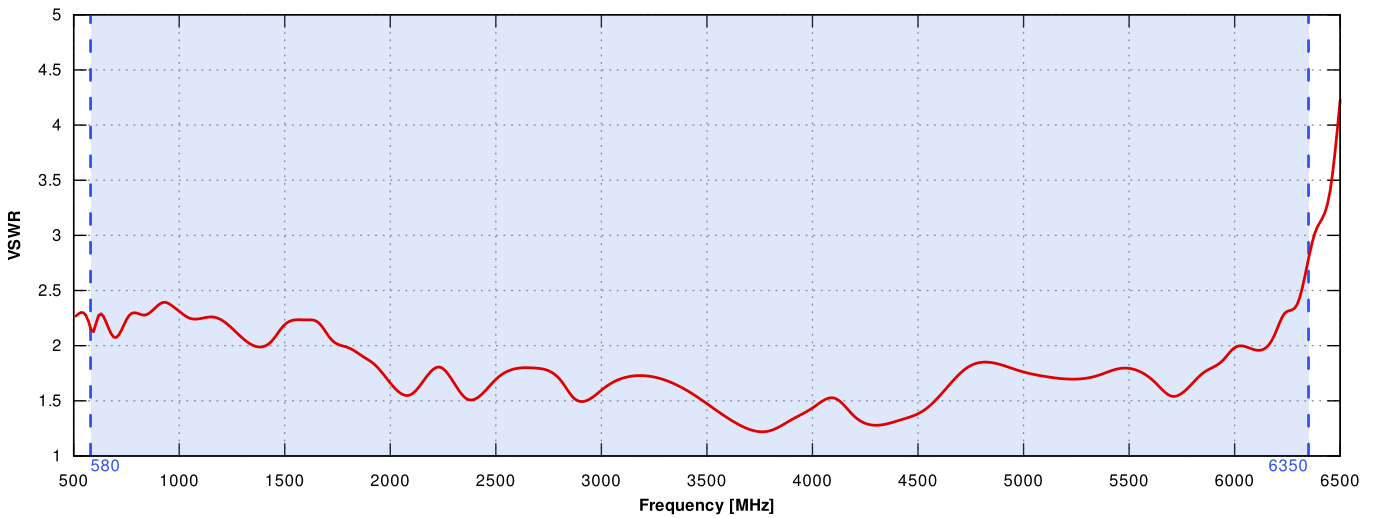
<b>MATERIAL</b>	ABS
<b>CONNECTOR</b>	QuRJ45
<b>OUTER DIMENSIONS</b>	160 x 160 x 155 mm 6.3 x 6.3 x 6.10 inch
<b>WEIGHT</b>	1.5 kg
<b>OPERATING TEMPERATURE</b>	-40°C to 80°C -40°F to 176°F
<b>INGRESS PROTECTION</b>	IP67 and IP68

## MOUNTING KIT

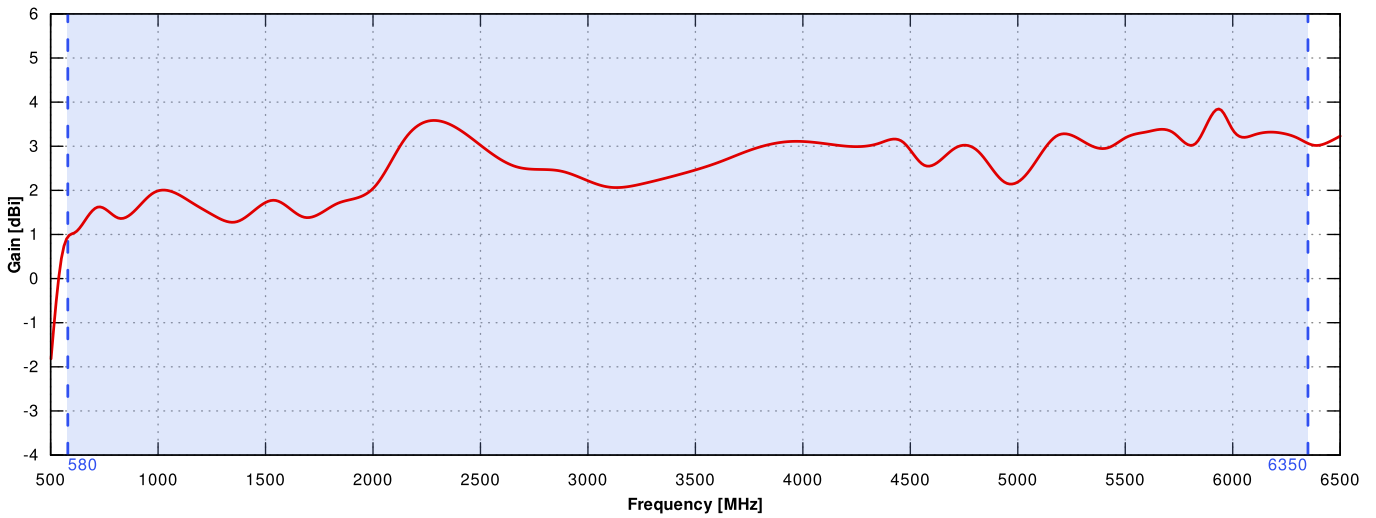
<b>MATERIAL</b>	Galvanized steel
<b>WEIGHT</b>	0.4kg
<b>MOUNTING PLACE</b>	Wall or mast
<b>MAST DIAMETER</b>	25-66 mm 0.98-2.60 inch

# PLOTS

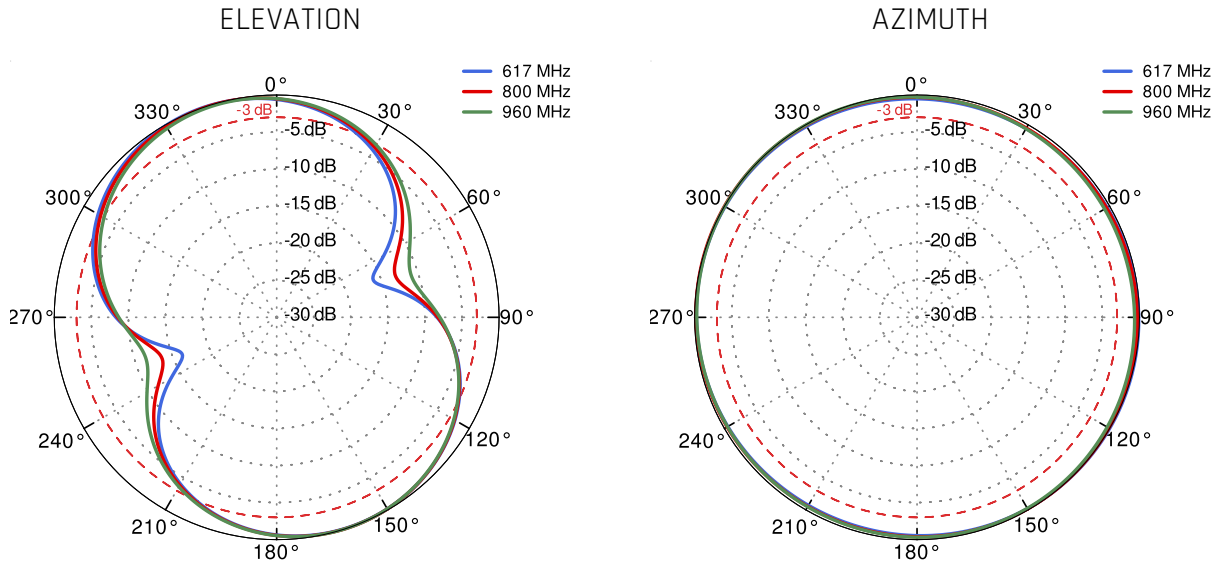
## 5G/LTE VSWR



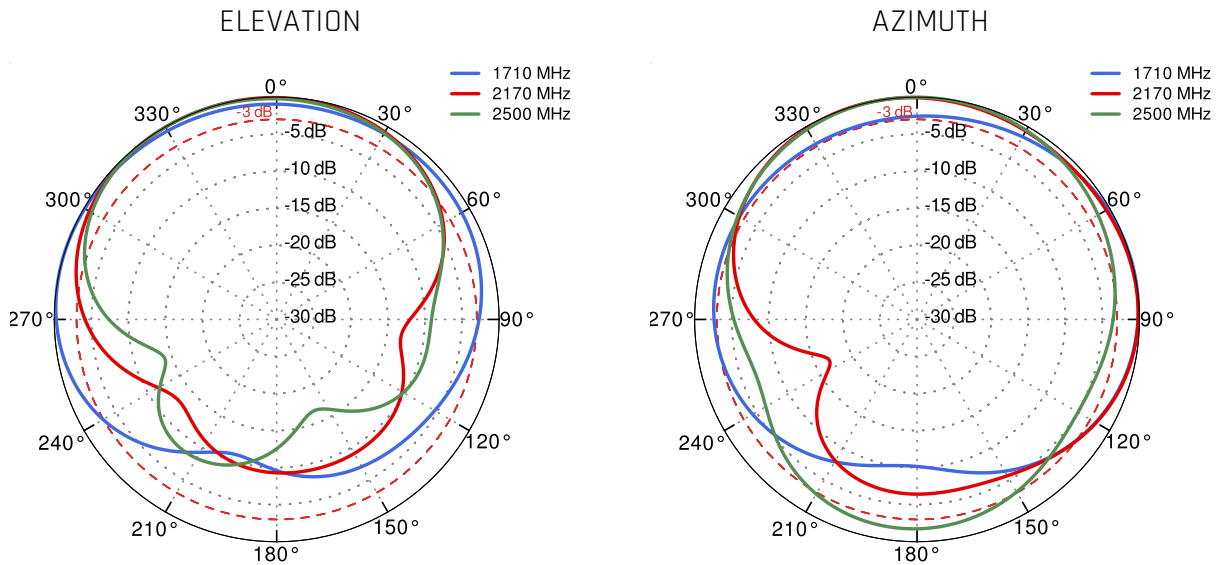
## 5G/LTE GAIN



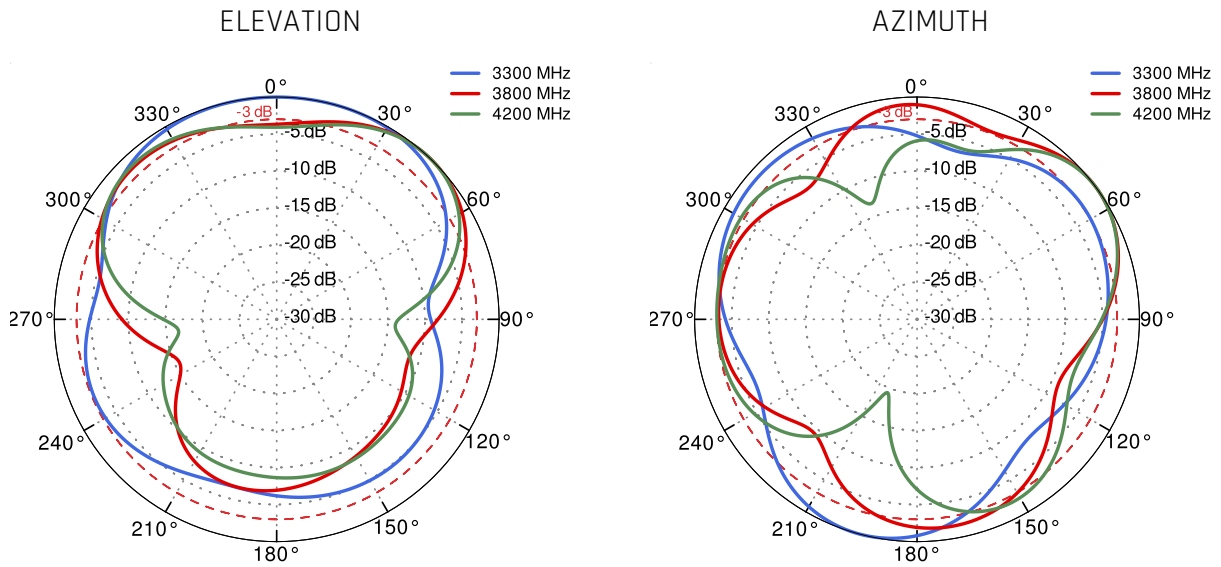
### 5G/LTE from 617MHz to 960MHz



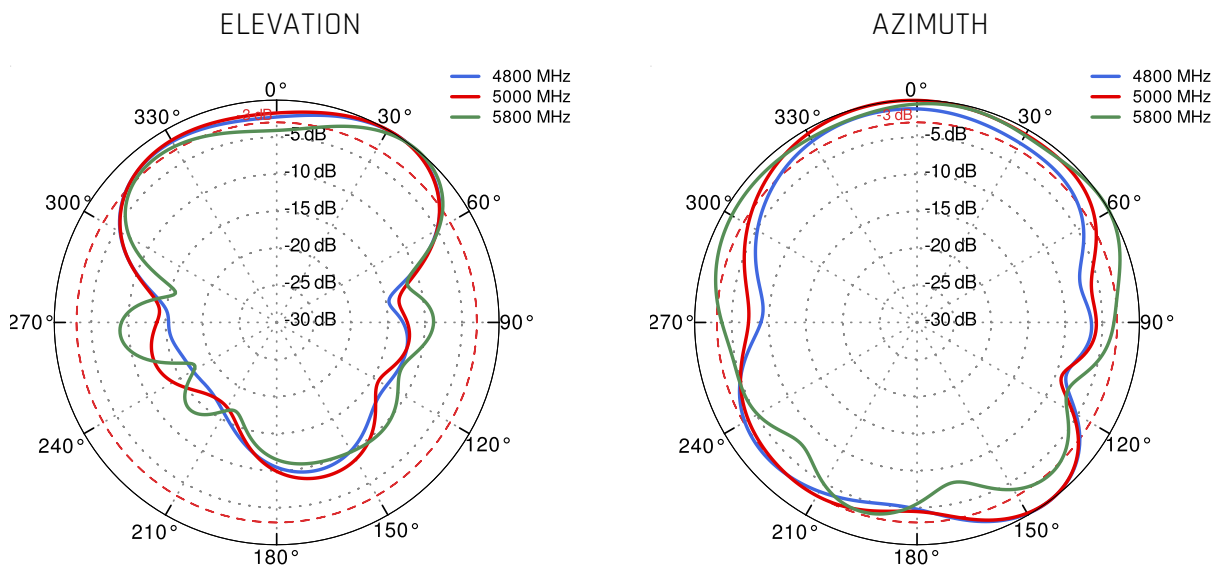
### 5G/LTE from 1.71GHz to 2.5GHz



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



### 5G/LTE from 4.8GHz to 5.8GHz



## **DIMENSIONS**

