

# QuPanel 14 HV 5G/LTE directional MIMO 4x4

## Compatible with: Teltonika RUTX50

QuPanel 14 HV 5G/LTE directional MIMO 4x4 high gain 5G/LTE outdoor antenna, designed to work with Teltonika RUTX50 router. It supports wide frequency range, from 700MHz to 4200MHz, including bands n77, n78, B28 or B43. Comes with an universal pole/wall mount. High quality injection moulded enclosure with IP67 rating makes it perfect for all outdoor installations and the embedded accessories allow a direct access to LAN port and two SIM card slots. Thanks to integrated PoE splitter, it is possible to power it with 802.3af PoE injector.



OUTDOOR ANTENNA WORKS IN **ANY WEATHER CONDITIONS**, IP67



WALL OR MAST MOUNTING SYSTEM WITH **TWO PLANES, 60 DEGREES REGULATION**



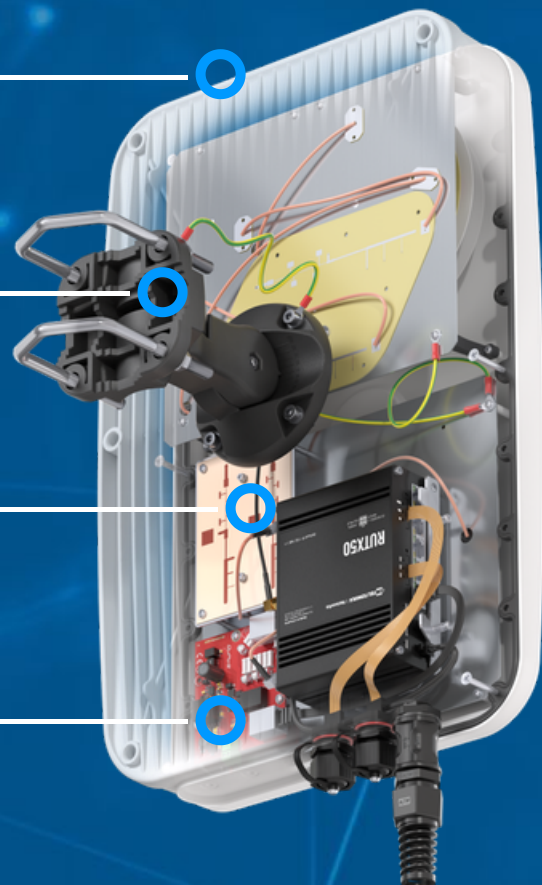
ALL ANTENNAS AND ROUTER **INTEGRATED IN ONE ENCLOSURE**



**802.3AF POE** SUPPORT



MADE IN **EUROPE**



## 5G/LTE ANTENNA SPECIFICATION

<b>FREQUENCY</b>	700 - 805 MHz 2450 - 2700 MHz 3300 - 4200 MHz
<b>GAIN</b>	700 - 805 MHz : $\geq 2$ dBi, peak 2.8 dBi 2450 - 2700 MHz : $\geq 2$ dBi, peak 7 dBi 3300 - 3600 MHz : $\geq 8$ dBi, peak 16 dBi 3600 - 3800 MHz : $\geq 14$ dBi, peak 17 dBi 3800 - 4200 MHz : $\geq 13$ dBi, peak 17 dBi
<b>SUPPORTED LTE BANDS</b>	B7, B13, B14, B17, B22, B28, B29, B38, B41, B42, B43, B44, B48, B49, B52, B53, B67, B69, B103
<b>SUPPORTED 5G BANDS</b>	n7, n13, n14, n28, n29, n38, n41, n48, n53, n67, n77, n78, n83, n90
<b>VSWR</b>	< 2.00
<b>POLARIZATION</b>	Horizontal & Vertical
<b>IMPEDANCE</b>	50 $\Omega$

## GPS ANTENNA SPECIFICATION

<b>FREQUENCY</b>	1.56 - 1.61 GHz
<b>VSWR</b>	< 2
<b>GAIN</b>	3 dBi
<b>GAIN 3V</b>	28 dBi
<b>DC POWER INPUT</b>	2.5 V ~ 6.5 V
<b>POWER CONSUMPTION</b>	2.5-6.5mA
<b>IMPEDANCE</b>	50 $\Omega$
<b>POLARIZATION</b>	RHCP (right hand circularly polarized)

## MECHANICAL SPECIFICATION

<b>MATERIALS</b>	ABS, aluminum, PTFE, Fiberglass
<b>INGRESS PROTECTION</b>	IP67
<b>CONNECTORS</b>	1x RJ45 outdoor socket 2x SIM outdoor slot
<b>POWER</b>	PoE: 802.3af
<b>DIMENSIONS</b>	486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch
<b>WEIGHT (ANTENNA + MOUNTING + ROUTER + ACCESSORIES)</b>	3.957 $\pm$ 0.2 kg 8.723 $\pm$ 0.44 lbs
<b>OPERATING TEMPERATURE</b>	From -40°C to 70°C From -40°F to 167°F

<b>FANS</b>	None
<b>WARRANTY</b>	36 months
<b>IN THE SET:</b>	1x QuPanel Antenna 1x WiMount 2x M8 U-Bolt 4x M8 nut 4x M6 pad 4x M6x18 screw 1x grounding cable 6x M4x40 screw 1x QuPoE AF-12V-FP - 802.3af Splitter 1x QuRJ45 2x QuSIM

## MOUNTING KIT

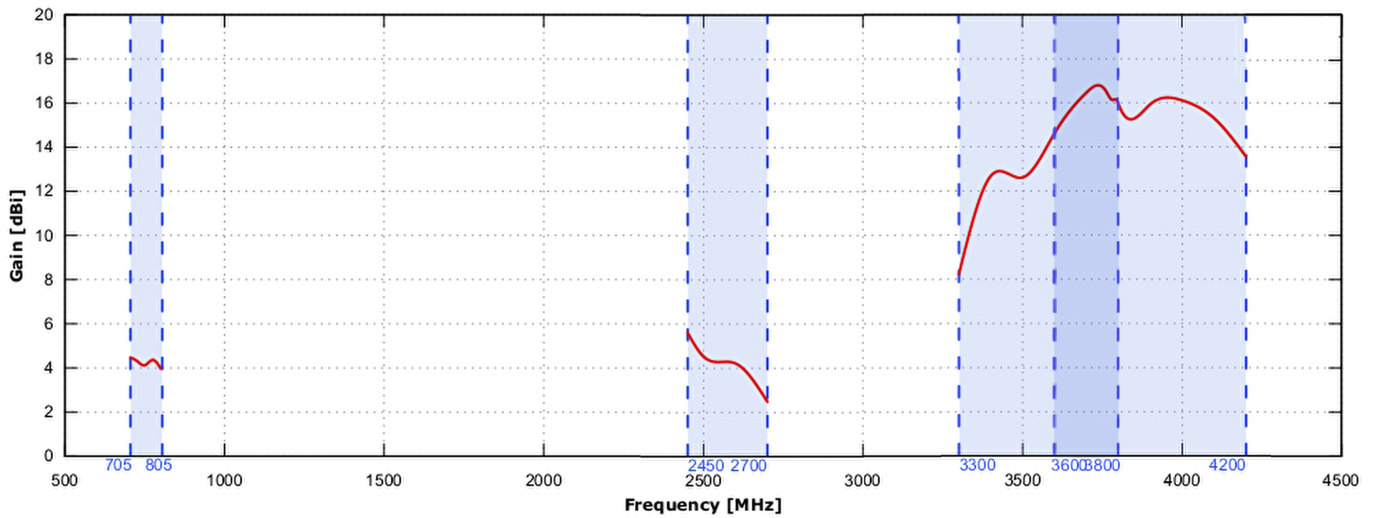
<b>DIMENSIONS</b>	9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch
<b>REGULATION RANGE</b>	+/- 30°
<b>MAST DIAMETER RANGE</b>	25 - 66mm 0.98-2.60 inch
<b>MATERIAL</b>	Polyamide with fiberglass + galvanized steel U-Bolts
<b>MOUNTING PLACE</b>	Wall or mast
<b>WEIGHT</b>	0,645 kg 1.42 lbs

## COMPATIBLE ROUTERS

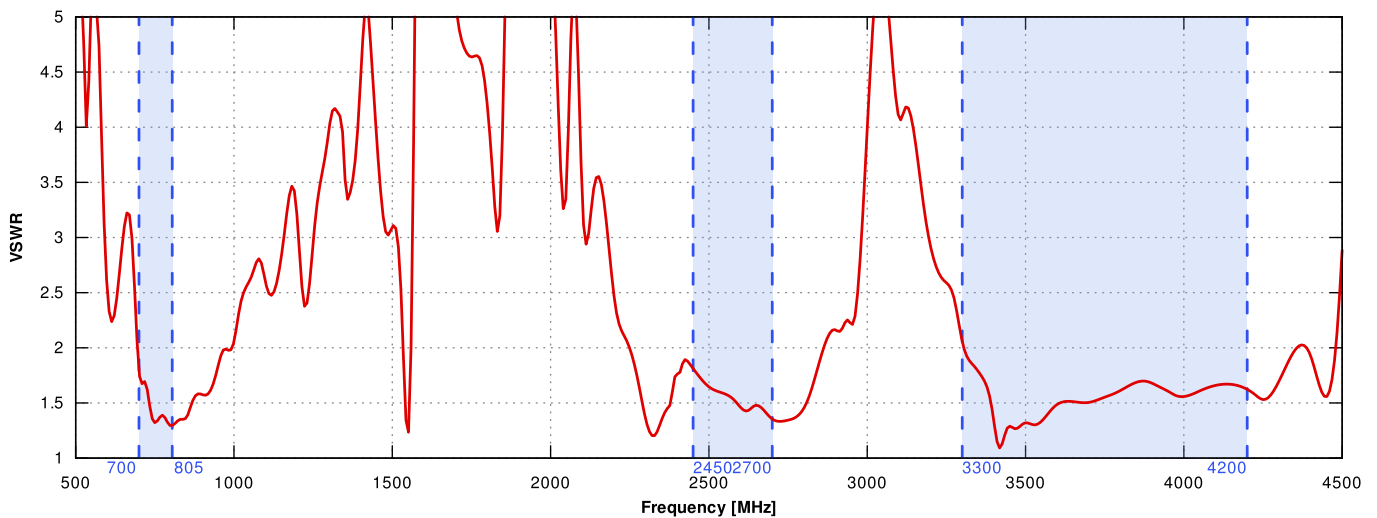
VARIANT: A16X50PRM

# PLOTS

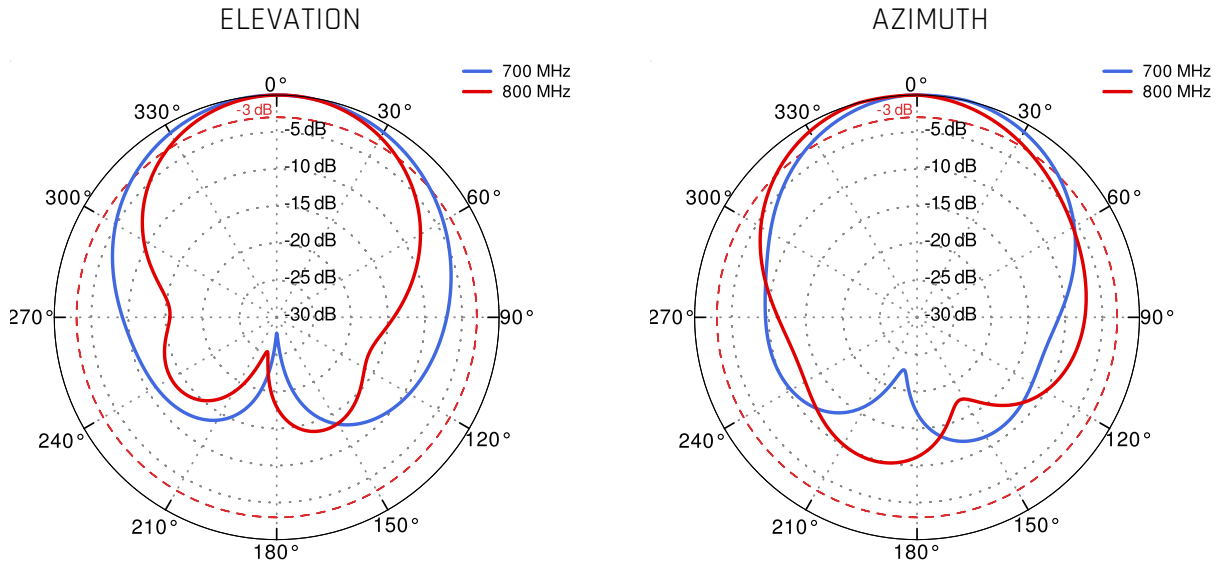
## 5G/LTE Gain



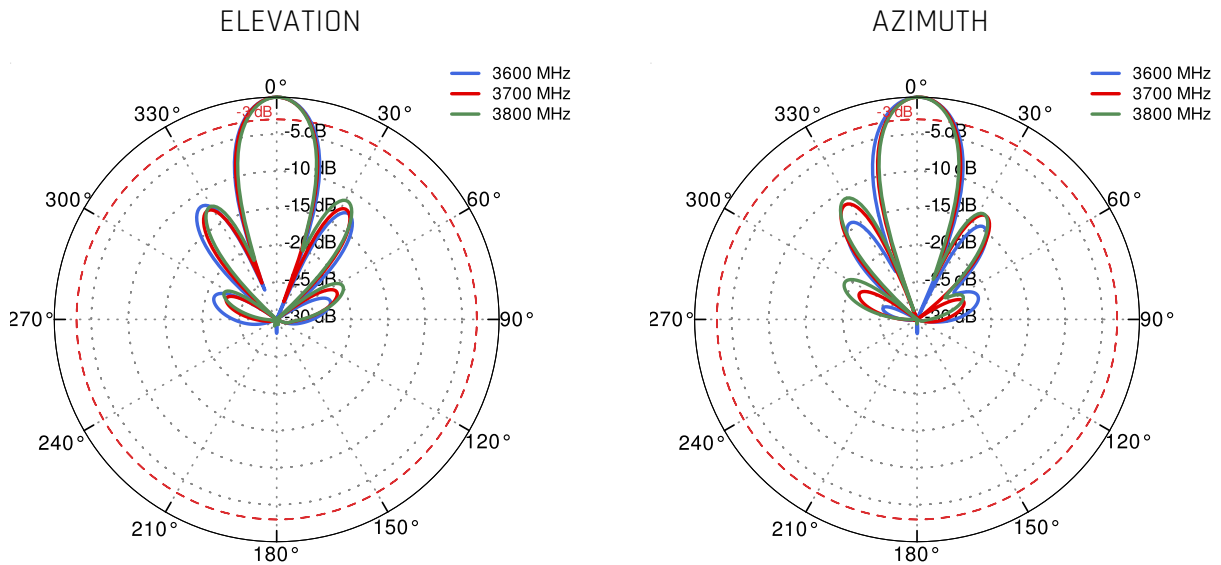
## 5G/LTE VSWR



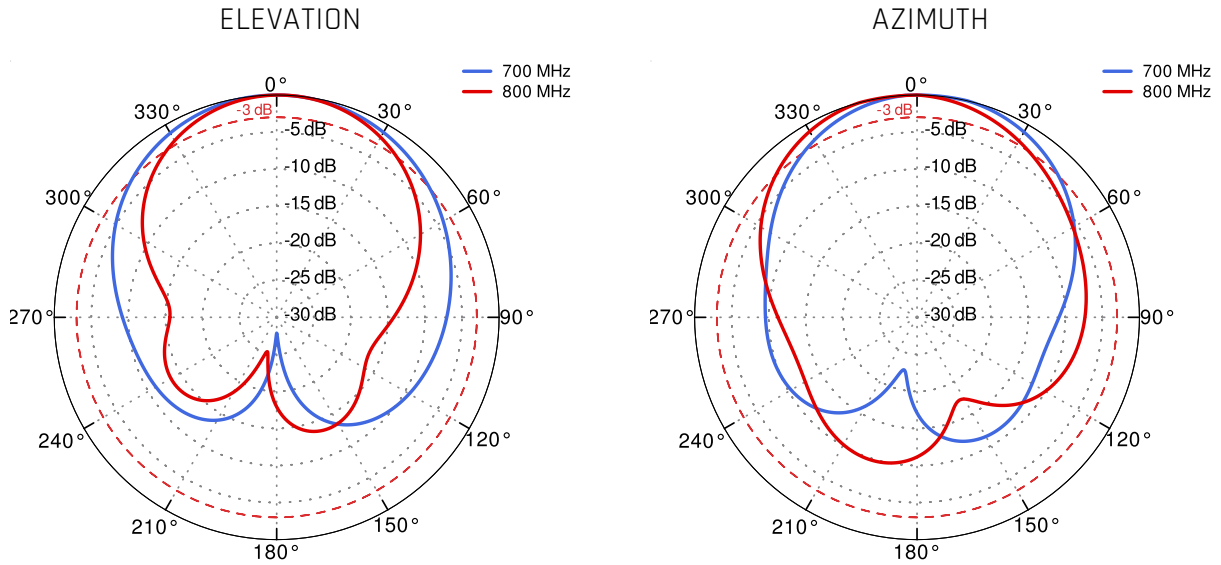
PORT 1 - 5G/LTE from 700MHz to 800MHz



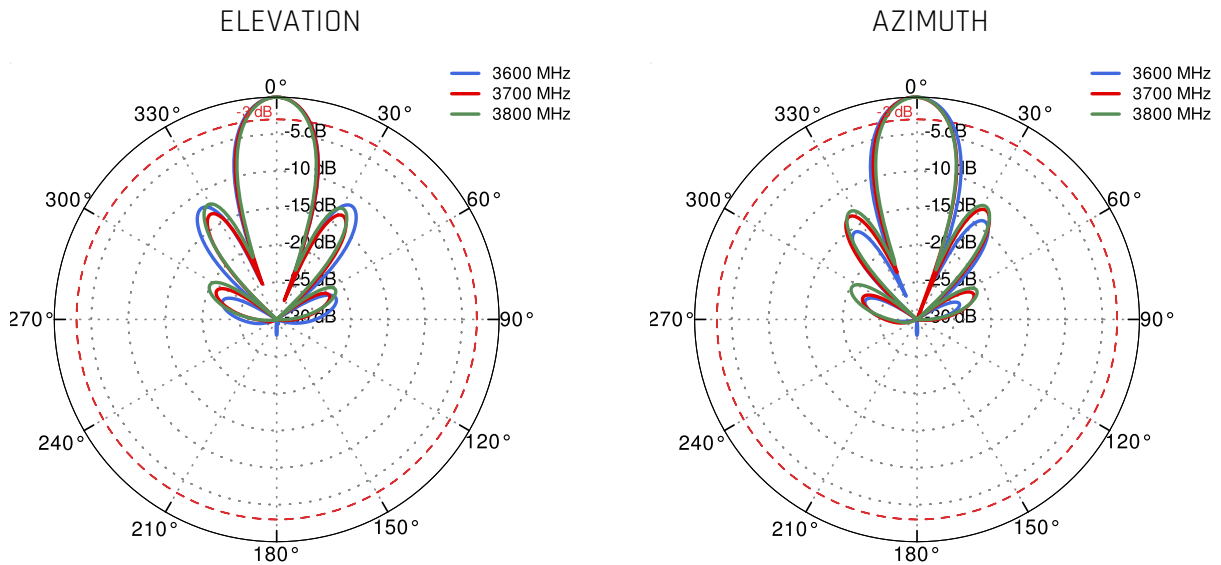
PORT 1 - 5G/LTE from 3600MHz to 3800MHz



PORT 2 - 5G/LTE from 700MHz to 800MHz



PORT 2 - 5G/LTE from 3600MHz to 3800MHz



## **DIMENSIONS**

