

QuMax Omni for Teltonika TRB500

INTEGRATED MULTI-BAND LTE & 5G OMNI ANTENNA + PLACE TO INSTALL TELTONIKA TRB500 (ALL-IN-ONE)

QuMax Omni is a 5G omnidirectional MIMO 4x4 antenna for the **Teltonika TRB500** gateway. The antenna covers a wide frequency range from 617MHz (Band71) to 6.0GHz. Additional router compartment inside the housing creates a variety of new outdoor (IP67) scenarios. It is recommended for moving applications, like trains, buses, yachts or campers, but also to improve signal quality in rural areas.

The set contains a <u>Passive PoE splitter</u>, 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. **NOTE:** should only be used with a 24V (or lower voltage) Passive PoE power supply it is not compatible with an 802.3af/at power source!

NOTE! The antenna doesn't support B32 band and n77 (above 3800MHz) band!





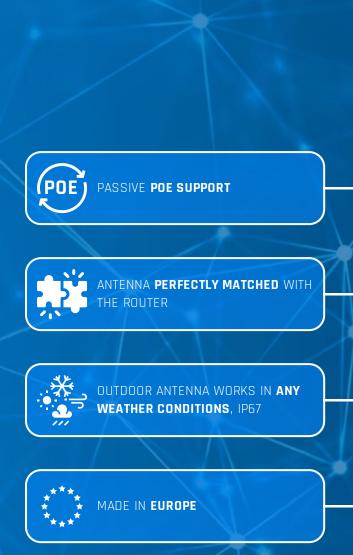
















5G / LTE ANTENNA SPECIFICATION

FREQUENCY

0.617 - 0.96 GHz

1.7 - 2.7 GHz 3.3 - 6.0 GHz

GAIN

0.617 - 0.96 GHz: 3 dBi

1.7 - 2.7 GHz: 3,5 dBi

3.3 - 6.0 GHz: 4dBi

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, 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, 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 Ω



(* MECHANICAL SPECIFICATION

MATERIALS ABS, aluminum, PTFE, Fiberglass

CONNECTOR TYPE RJ45

INGRESS PROTECTION IP67

486.0 x 292.2 x 105.6 mm 19.13 x 11.50 x 4.16 inch

WEIGHT 2.5 kg 5.51 lbs

OPERATING TEMPERATURE

From -40°C to 70°C

From -40°F to 167°F

25-66mm 0.98-2.60 inch

ENCLOSURE RECOMMENDED
TIGHTENING TORQUE

0.6 - 0.8 Nm

(* POE SPECIFICATION

Passive PoE up to 24V, not compatible with an 802.3af/at power source!

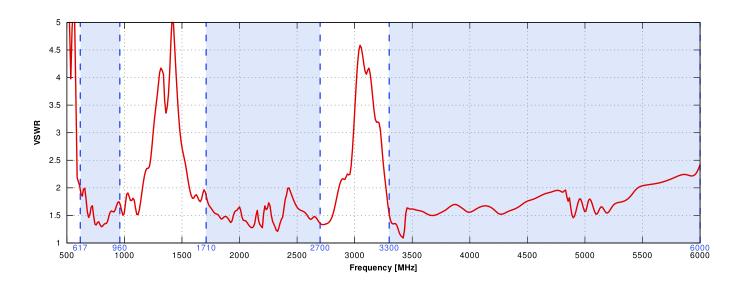
POE IN MODE Mode type: B

IEEE STANDARD IEEE 802.3ab 1000Base-T Gigabit Ethernet

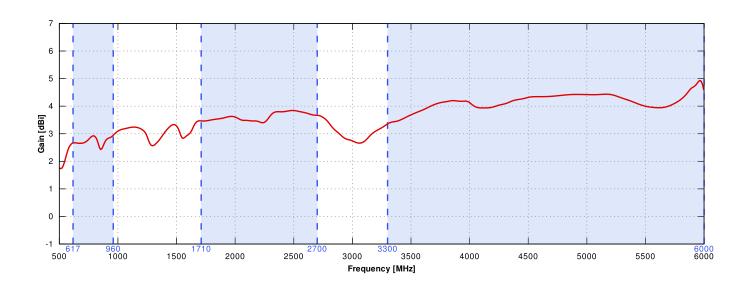


(* PLOTS

VSWR for LTE antenna

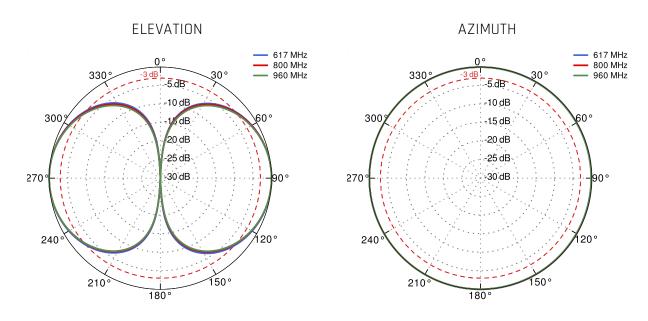


Gain for LTE antenna

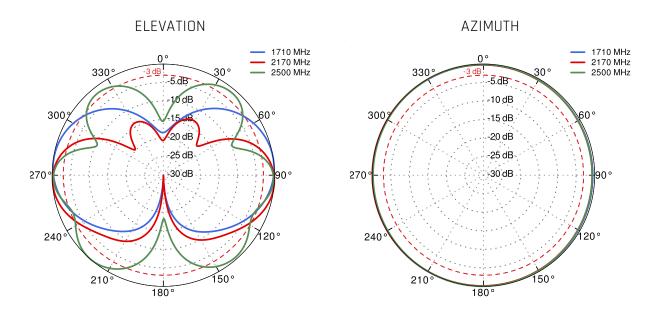




5G/LTE from 617MHz to 960MHz

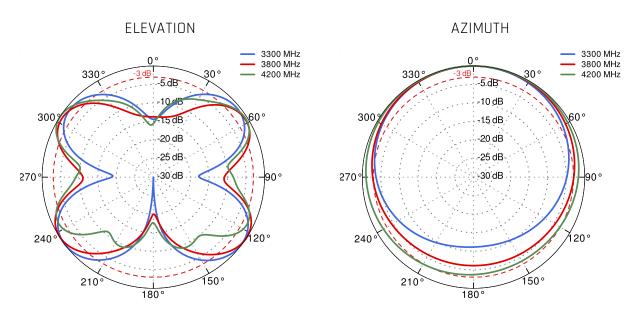


5G/LTE from 1.71GHz to 2.5GHz

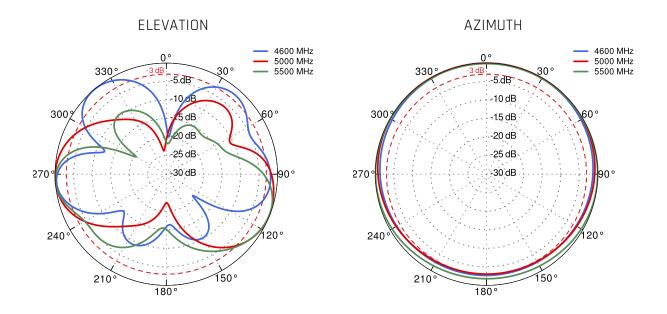




5G/LTE from 3.3GHz to 4.2GHz

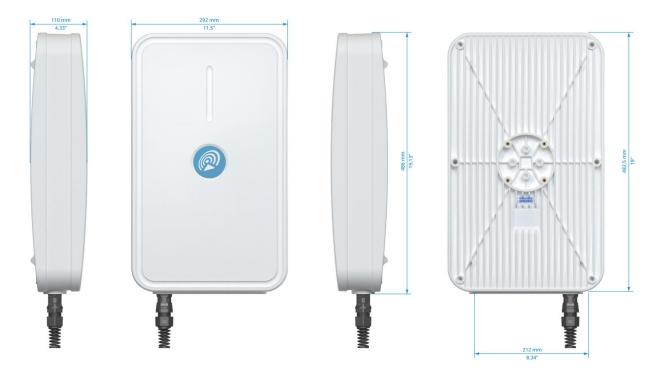


5G/LTE from 4.5GHz to 5.5GHz





(* DIMENSIONS





WWW.QUWIRELESS.COM

Sales email: sales@quwireless.com
Support email: support@quwireless.com

Tel: +48 513 900 416

Website: www.quwireless.com

Address: Wireless Instruments Sp. z o.o., ul. Kościuszki 27, 52-116 Iwiny, Poland



