

QuMax for Teltonika RUTX50

PN: AX50M

**INTEGRATED MULTI-BAND LTE & 5G PANEL ANTENNA + WI-FI OMNI ANTENNA + GPS
+ PLACE TO INSTALL TELTONIKA RUTX50 (ALL-IN-ONE)**

QuMax for RUTX50 is a high-performance directional antenna designed for use in a variety of wireless communication applications. This all-in one product consists of multi-band 5G, Wi-Fi and GPS antennas integrated in IP67 enclosure. It offers 7.5dBi gain and wide beamwidth, which makes it suitable for use in both urban and rural environments.

Combining QuMax with RUTX50 inside the antenna housing gives you complete, outdoor solution with multiple use scenarios, such as transportation, public, energy, mining, IoT and more.



OUTDOOR

Use Teltonika router
wherever you want

ANTENNA

Maximize your signal with
QuWireless antennas

SOLUTION

Plug Teltonika router and
you are good to go

LTE & 5G SPECIFICATION

FREQUENCY	0.617 - 0.960 GHz 1.7 - 2.7 GHz 3.3 - 6.0 GHz
GAIN	0.617 - 0.960 GHz: 6 dBi 1.7 - 2.7 GHz: 7 dBi 3.3 - 4.6 GHz: 7 dBi 4.7 - 6.0 GHz: 5.5 dBi
Supported LTE/5G 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, n77, n78, n79, n80, n81, n82, n83, n84, n86, n89, n90, n95, n97, n98, n100, n101
VSWR	<2.00, max <3.00
BEAMWIDTH	80°/80° ±15°
POLARIZATION	X (±45°)
IMPEDANCE	50 Ω

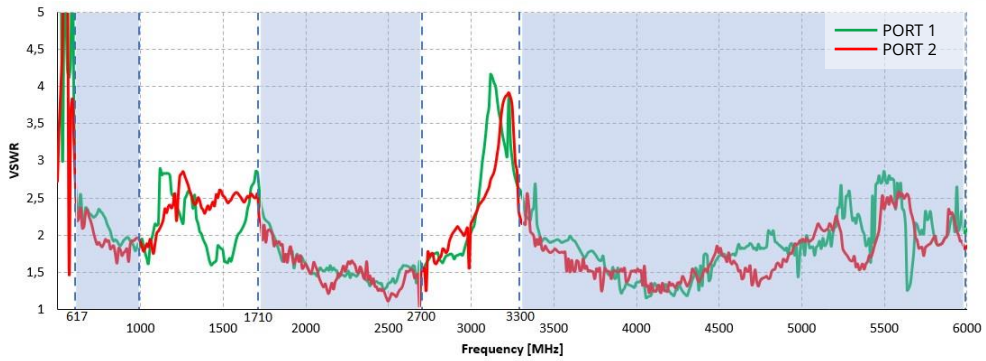
WI-FI SPECIFICATION

FREQUENCY	2.40 - 2.50 GHz 5.0 - 7.125 GHz
GAIN	2.40 - 2.50 GHz: 6 dBi 5.0 - 7.125 GHz: 7.5 dBi
VSWR	<1.70, max <2.00
BEAMWIDTH	360°/25° +/- 5°
POLARIZATION	Vertical
IMPEDANCE	50 Ω

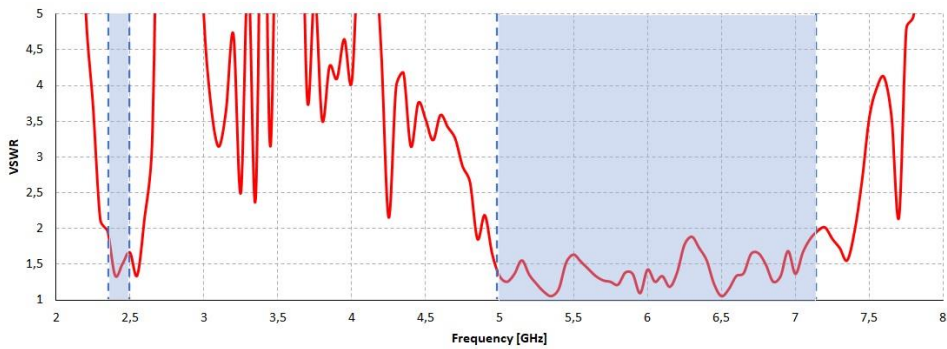
MECHANICAL SPECIFICATION

MATERIALS	ABS, aluminum, PTFE, Fiberglass
INGRESS PROTECTION	IP67
CONNECTOR TYPE	RJ45
DIMENSIONS	486.0 x 292.2 x 210 mm 19.13 x 11.50 x 8.27 inch
WEIGHT	2.8 kg 6,17 lbs
OPERATING TEMPERATURE	From -40°C to 75°C From -40°F to 167°F

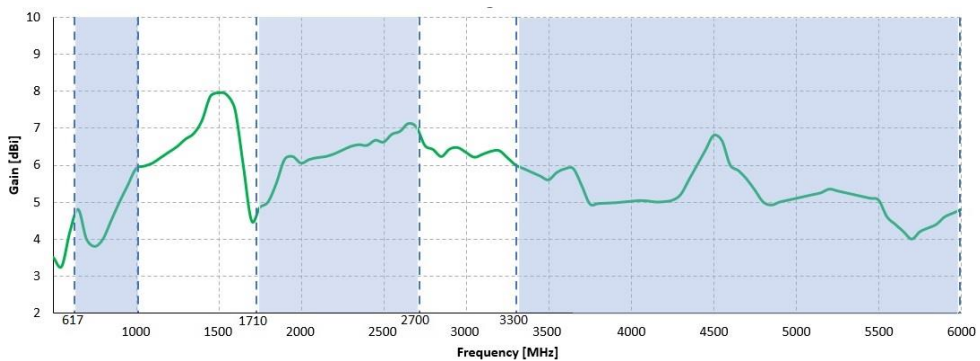
VSWR for LTE & 5G antenna



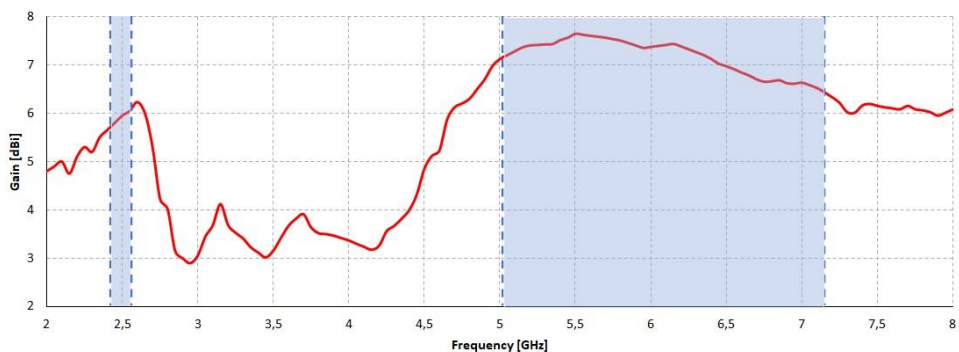
VSWR for Wi-Fi antenna



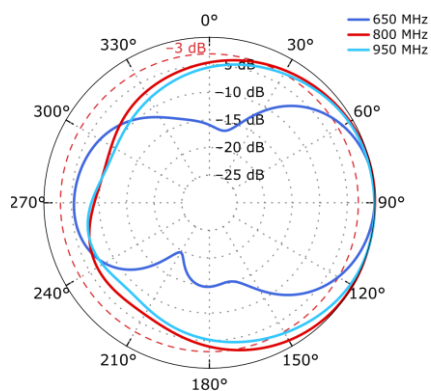
GAIN for LTE & 5G antenna



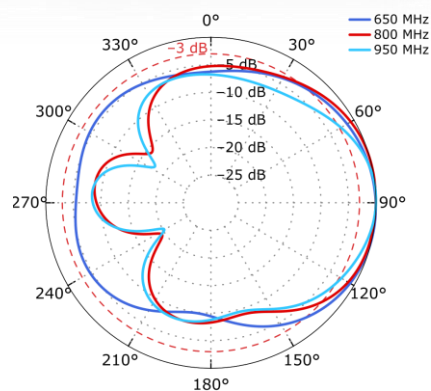
GAIN for Wi-Fi antenna



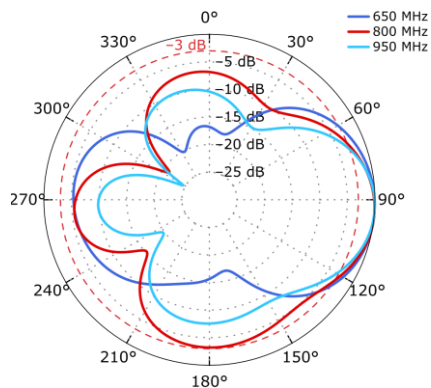
PORT 1&3: 650-950 MHz Elevation



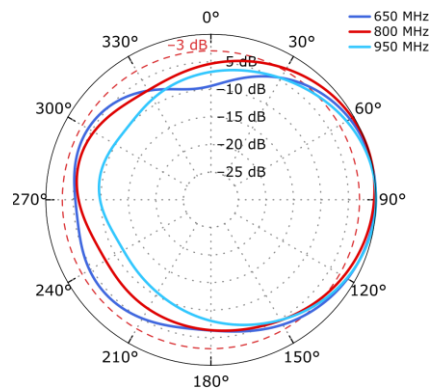
PORT 1&3: 650-950 MHz Azimuth



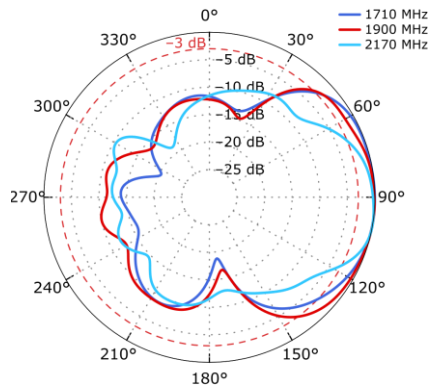
PORT 2&4: 650-950 MHz Elevation



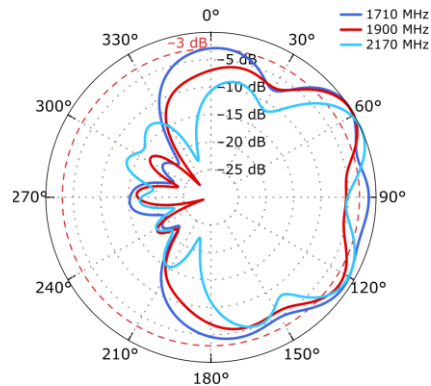
PORT 2&4: 650-950 MHz Azimuth



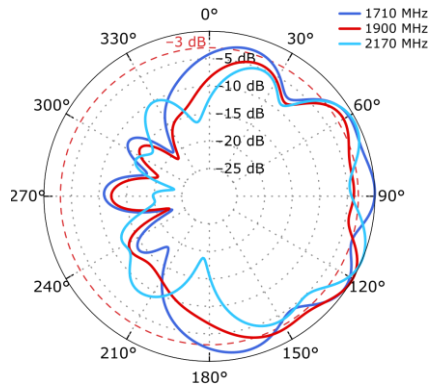
PORT 1&3: 1710-2170 MHz Elevation



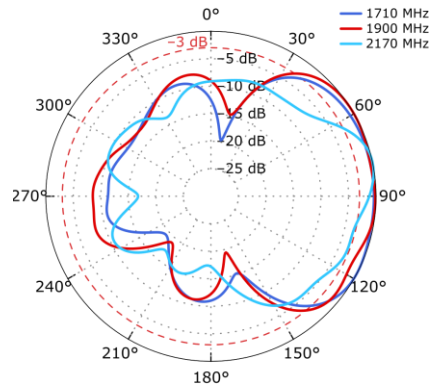
PORT 1&3: 1710-2170 MHz Azimuth



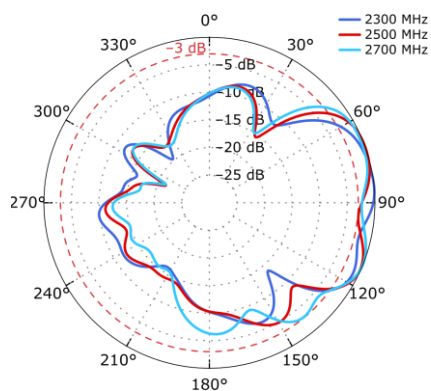
PORT 2&4: 1710-2170 MHz Elevation



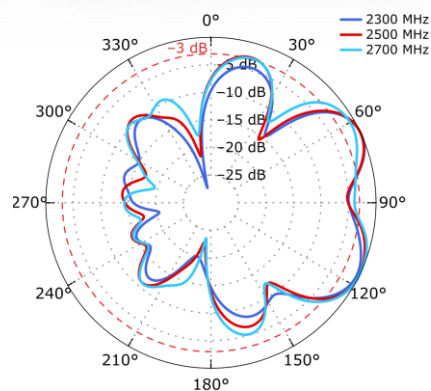
PORT 2&4: 1710-2170 MHz Azimuth



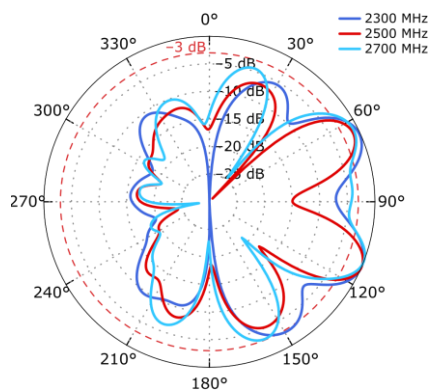
PORT 1&3: 2300-2700 MHz Elevation



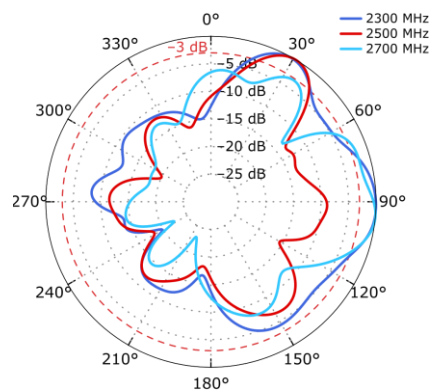
PORT 1&3: 2300-2700 MHz Azimuth



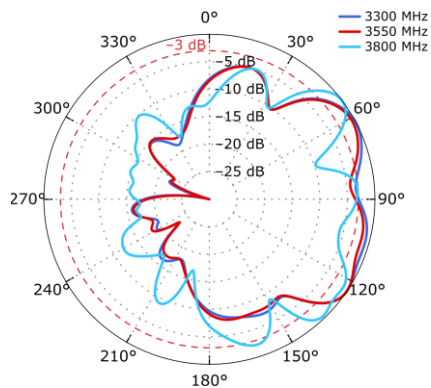
PORT 2&4: 2300-2700 MHz Elevation



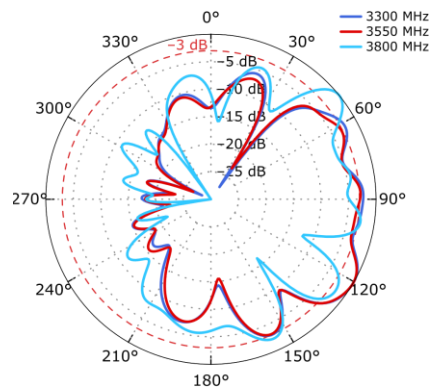
PORT 2&4: 2300-2700 MHz Azimuth



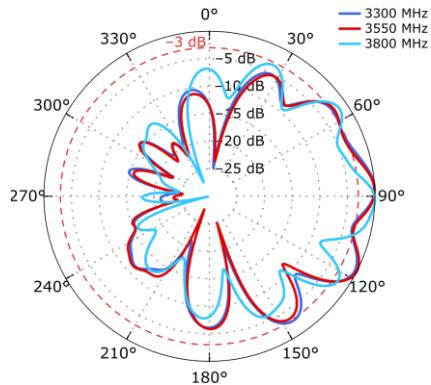
PORT 1&3: 3300-3800 MHz Elevation



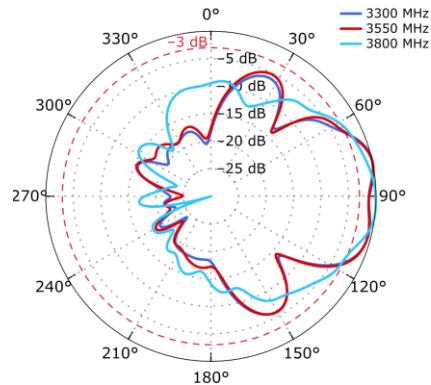
PORT 1&3: 3300-3800 MHz Azimuth



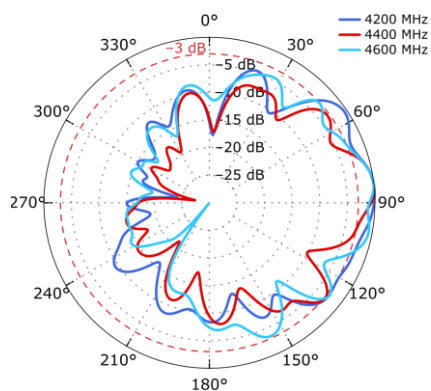
PORT 2&4: 3300-3800 MHz Elevation



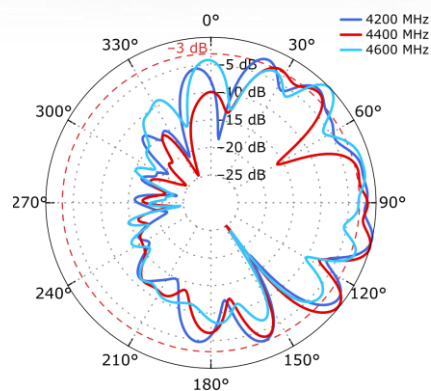
PORT 2&4: 3300-3800 MHz Azimuth



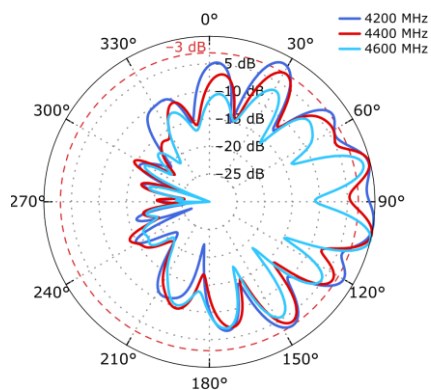
PORT 1&3: 4200-4600 MHz Elevation



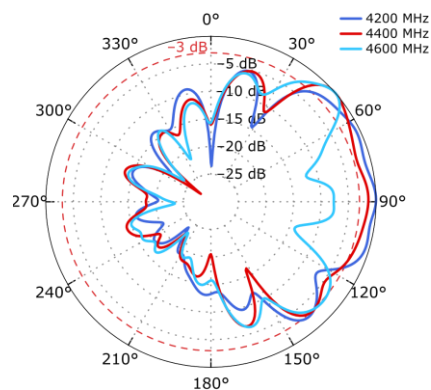
PORT 1&3: 4200-4600 MHz Azimuth



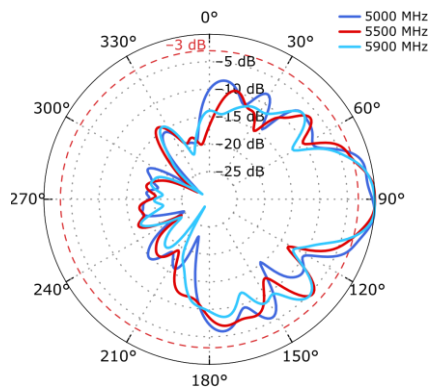
PORT 2&4: 4200-4600 MHz Elevation



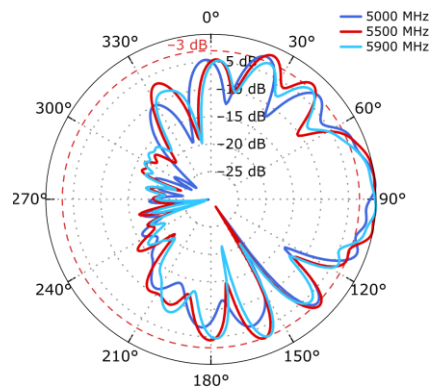
PORT 2&4: 4200-4600 MHz Azimuth



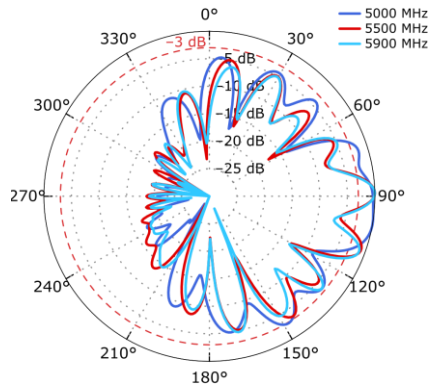
PORT 1&3: 5000-5900 MHz Elevation



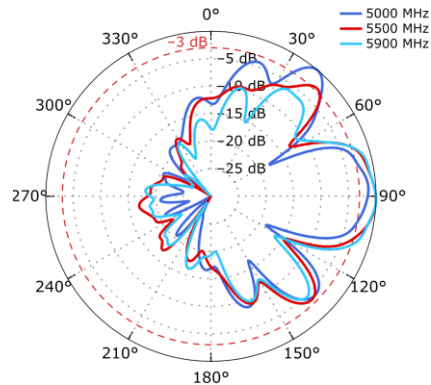
PORT 1&3: 5000-5900 MHz Azimuth



PORT 2&4: 5000-5900 MHz Elevation

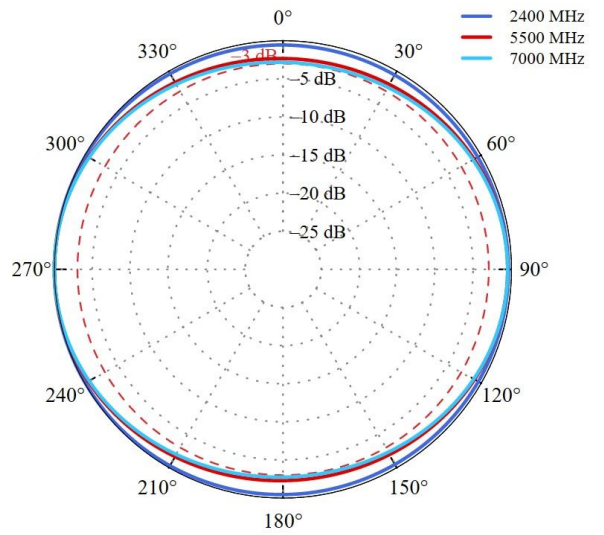
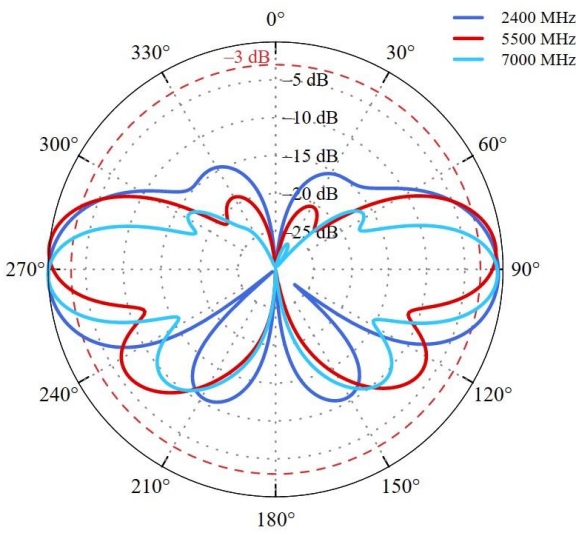


PORT 2&4: 5000-5900 MHz Azimuth



Wi-Fi Elevation

Wi-FiAzimuth



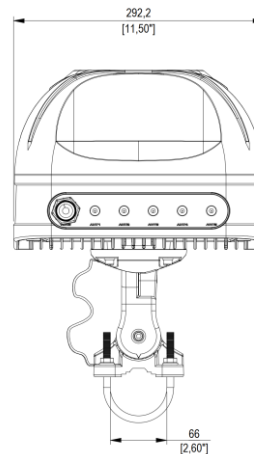
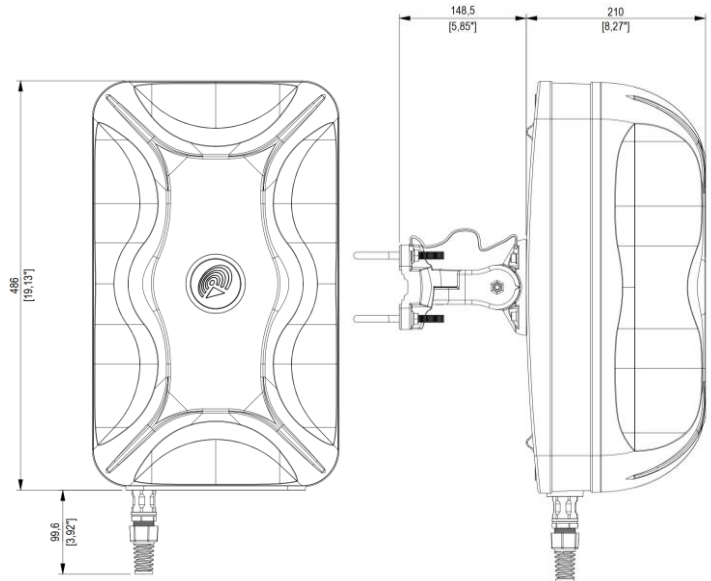
DEDICATED DEVICE SPECIFICATION

DIMENSIONS

Teltonika RUTX50



- RUTX50 is your future-proof, multi-network industrial router, offering 5G mobile communication for high-speed and data-heavy applications.
- 5G dual SIM cellular communication combined with 5 Gigabit Ethernet ports and dual-band Wi-Fi enables reliable ultra-low latency data transfer.
- The power of 5G technology, combined with a wide range of interfaces and industrial hardware features, ensures adaptability for future upgrades and expansions.
- RUTX50 comes with the RutOS, which provides advanced security features and specialized industrial protocols for a wide range of professional application scenarios, and is compatible with our Remote Management System (RMS), for optimized remote management and monitoring capabilities of large fleets of devices.



[Teltonika RUTX50 Datasheet](#)

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