



Outdoor MIMO WiMAX Router

Enjoy WiMAX at low signal locations

Teltonika RUT723, RUT725, RUT735 and RUT738 are outdoor routers offering high speed data rate connectivity to the WiMAX networks. Router is compliant with IEEE802.16e-2005 WiMAX Wave 2. 10/100 Base-T interface and integrated DHCP server allow easy connection to any device with Ethernet cable. Teltonika outdoor WiMAX router is ideal for distant locations. High gain MIMO antenna improves coverage and pole mounting kit ensures stable signal conditions. Included POE adapter allows the device to function with only Ethernet cable connected.

Key Features:

- IEEE 802.16e-2005 Compliant (Mobile WiMAX)
- WiMAX Wave 2 Compliant
- 10/100 Base-T LAN Interface
- IEEE 802.3af-2003 Compliant POE (adapter included)
- Embedded Web Server
- Modern Graphical User Interface
- Operates within 2.3 – 2.4 GHz, 2.5 – 2.7 GHz, 3.3 – 3.6 GHz or 3.3 – 3.8 GHz range
- HARQ Category 7 (40 Mbps combined UL and DL)
- 14 dBi MIMO Antenna
- Adjustable Pole Mounting Kit
- Waterproof RJ45 Socket
- MIMO Matrix A and B for Improved Transmission Speed and Coverage
- DHCP Server
- Port Forwarding
- IP and MAC Filtering



Specifications:

Standard Compliant
Air Interface
Frequency Band

Channel Bandwidth
Modulation Adaptive
MIMO

Beamforming
RF Output Power
RX Sensitivity:

Antenna Gain
Antenna Type
Handover
QoS Mechanism
Authentication
Encryption
Throughput

LAN
POE

IEEE 802.16e-2005
S-OFDMA

2.3 – 2.4 GHz (RUT723), 2.5 – 2.7 GHz (RUT725)
3.3 – 3.6 GHz (RUT735) or 3.3 – 3.8 GHz (RUT738)
3 MHz, 3.5 MHz, 5 MHz, 6 MHz, 7 MHz, 8.75 MHz and 10 MHz

QPSK, 16QAM, 64QAM
MRC, Matrix A + MRC, Matrix B

All I/O Beamforming Items

2x25 dBm @ 2.3 – 2.7 GHz or 2x23 dBm @ 3.3 – 3.6 GHz

QPSK1/2: -99.5 @ 2.5 GHz and 10 MHz BW

16QAM1/2: -94.29 @ 2.5 GHz and 10 MHz BW

(QPSK1/2: -99 @ 3.5 GHz and 10 MHz BW

16QAM1/2: -93.8 @ 3.5 GHz and 10 MHz BW)

14 dBi

Panel antenna with pole mounting kit

Hard / Optimized Handover

UGS, Real-Time-VR, Non Real-Time-VR, Best Effort, ERT-VR

EAP-TLS, EAP-TTLS-MSCHAPv2

3 CCM-Mode 128-bit AES

HARQ UL and DL, up to Category 7

40 Mbps Total DL + UL

1 x RJ45 10/100 Base-T Ethernet

IEEE 802.3af-2003 Compliant

Electrical, Mechanical & Environmental:

Dimensions (H x W x D)

290mm x 240mm x 45mm

Mounting Pole Diameter

30 – 50 mm

Weight

1.3 kg

Power Supply

36 – 57VDC

Power Consumption

< 6W

Operating Temperature

-20° to 50° C

Storage Temperature

-20° to 70° C

IP Rating

IP65

Storage Humidity

5% to 95% Non-condensing