



## RUT550 Router

Teltonika RUT550 is compact LTE router with high speed wireless and Ethernet connections. Internal LTE modem can reach download rate of up to 100Mbps. Router supports the latest IEEE802.11n as well as IEEE802.11b/g standards and provides wireless receiving and transmitting rate of up to 150 Mbps. External antenna connectors make it possible to attach desired antennas and to easily find the best signal location.

This router is ideal for people who'd like to share their internet on the go, as it is not restricted by a cumbersome cable connection. Unrestricted, but not forgotten: the router still supports internet distribution via a broadband cable, simply plug it in to the wan port, set the router to a correct mode and you're ready to browse.

### Key Features

- LTE downlink of up to 100Mbps
- LTE uplink of up to 50Mbps
- DC-HSPA+ downlink of up to 42Mbps
- DC-HSPA+ uplink of up to 5.76Mbps
- Complies with IEEE 802.11n, IEEE 802.11g, IEEE 802.11b wireless standards
- Four Ethernet ports
- Durable aluminum housing
- External antennas
- Integrated OpenVPN, IPSec and SNMP
- LTE/3G backup WAN function
- SMS reboot, SMS status functions
- Bridge mode
- DIN rail mounting (optional)
- Two pin terminal block power connector (optional)
- Wide input voltage range
- Power over Ethernet (LAN and WAN) ports (not compliant with IEEE 802.3af-2003)

**RoHS  
Compliant**



A light blue world map with white circuit traces overlaid on it. A large blue arrow points from the right towards the map.

## LTE/UMTS/GSM Specifications

### GSM/GPRS/EDGE

- 850/900/1800/1900 MHz
- Power Class 4 (2 W, 33 dBm) GSM/GPRS 850/900 MHz
- Power Class 1 (1 W, 30 dBm) GSM/GPRS 1800/1900 Mhz
- Power Class E2 (0.5 W, 27 dBm) for EDGE 850/900 MHz
- GPRS: 85.6 kbps DL/85.6 kbps UL (class 12)
- EDGE: 236.8 kbps DL/236.8 kbps UL (class 12)

### UMTS

- 850/900/1900/2100 MHz
- DC-HSPA+ mode: DL up to 43.2 Mbps, UL 5.76 Mbps
- HSPA+ mode: DL up to 21.6 Mbps, UL 5.76 Mbps
- UMTS mode: 384 kbps DL/384 kbps UL
- All bands with diversity

### LTE

- FDD 800/850/900/1800/1900/2100/2600 MHz
- (FDD B1/B2/B3/B5/B7/B8/B20)
- Up to 100 Mbps downlink speed
- Up to 50 Mbps uplink speed
- All bands with diversity
- 3 dBi LTE/UMTS/GMS antenna



## Specifications

### LAN and Wi-Fi

- Wireless AP, Router, 4-Port Switch and Firewall in one device
- High performance 320 MHz CPU with 256 Mbits SDRAM
- IEEE 802.11b/g/n, IEEE 802.3, IEEE 802.3u standards
- 64/128-bit WEP, WPA, WPA2, WPA&WPA2 encryption methods
- 3x LAN 10/100Mbps Ethernet ports
- 1x WAN 10/100Mbps Ethernet port
- Supports Auto MDI/MDIX
- Remote/local Web management
- 1 x 5dBi Wi-Fi antenna
- SSID stealth mode and access control based over MAC address
- System log to record the status of the Router
- Auto negotiation/manual mode for IEEE 802.11b/g/n
- Dynamic DNS
- LAN access control over Internet connection
- Virtual server
- Auto wireless channel selection
- OpenVPN
- IPSec
- PPPoE
- Backup WAN
- LTE – LAN bridge function
- SMS and Ping reboot
- Status via SMS
- 4 x LAN status LEDs

### Electrical, Mechanical & Environmental

- |                          |   |
|--------------------------|---|
| • Dimensions (H x W x D) | 100mm x 85mm x 36mm                           |
| • Weight                 | 210g  |
| • Power supply           | 100 – 240 VAC -> 9 VDC wall adapter           |
| • Input voltage range    | 7 – 30VDC                                     |
| • Power consumption      | < 7W  |
| • Antenna connectors     | 2 x SMA for GSM/LTE, 1 x RP-SMA for Wi-Fi     |
| • Indicators             | 4 x Ethernet LEDs, 1 x Power LED, 1 x GSM LED |
| • Operating temperature  | 0° to 50° C                                   |
| • Storage temperature    | -20° to 70° C                                 |
| • Operating humidity     | 10% to 90% Non-condensing                     |
| • Storage humidity       | 5% to 95% Non-condensing                      |

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*Teltonika reserves a right to modify the functionality of the device without any prior notice.*