



## RUT500 Router

RUT500 is compact 3G router with high speed wireless and Ethernet connections. Internal HSPA+ modem can reach download rate of up to 21Mbps. 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

- Downlink of 21Mbps
- Uplink of 5.76Mbps
- Complies with IEEE 802.11n, IEEE 802.11g, IEEE 802.11b wireless standards
- Complies with IEEE 802.3 and IEEE 802.3u standards
- Four Ethernet ports
- Durable aluminum housing
- External antennas (several options available)
- Integrated OpenVPN, IPSec and Dynamic DNS
- 3G backup WAN function
- SMS Reboot and Status by SMS functions
- Send/read SMS by HTTP POST/GET methods
- Status (including 3G information) monitoring by SNMP
- DIN rail mounting (optional)
- Two pin terminal block power connector (optional)
- Wide input voltage range (new revision only)
- Power over Ethernet (LAN and WAN) ports (new revision only, not compliant with IEEE 802.3af-2003)





## UMTS/GSM specifications

### RUT500 T-5F/21 HSPA+ Router

#### UMTS

- 850/900/AWS1700/1900/2100 MHz
- HSDPA mode: 21 Mbps (Cat 14) downlink speed
- HSUPA mode: 5.76 Mbps (Cat 6) uplink speed
- UMTS mode: 384 kbps DL/384 kbps UL
- 2.14 dBi GSM/UMTS antenna
- Rx diversity antenna connector

#### 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
- Power Class E2 (0.4 W, 26 dBm) for EDGE 1800/1900 MHz
- GSM: 14.4 kbps DL/14.4 kbps UL
- GPRS: 107 kbps DL/85.6 kbps UL (class 33)
- EDGE: 296 kbps DL/236.8 kbps UL (class 33)

## 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 802.3, IEEE 802.3u standards
- IEEE 802.11b/g/n Wi-Fi standards
- 64/128-bit WEP, WPA, WPA2, WPA&WPA2 encryption methods
- 2.401 – 2.495GHz Wi-Fi frequency range
- 20dBm max-Wi-Fi TX power
- Wi-Fi receiver sensitivity:
  - 802.11b: -86dBm at 1Mbps; -82dBm at 11Mbps
  - 802.11g: -84dBm at 6Mbps; -68dBm at 54Mbps
  - 802.11n: -83dBm at MCS0 and 20MHz BW
  - 802.11n: -80dBm at MCS2 and 20MHz BW
  - 802.11n: -75dBm at MCS4 and 20MHz BW
  - 802.11n: -68dBm at MCS7 and 20MHz BW
- 3x LAN 10/100Mbps Ethernet ports
- 1x WAN 10/100Mbps Ethernet port
- Supports Auto MDI/MDIX
- Remote/local Web management
- 1x 5dBi wireless 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
- OpenVPN
- IPSec
- PPPoE
- Backup WAN
- SMS and Ping reboot
- Status via SMS
- Send/read SMS via HTTP POST/GET
- Monitoring by SNMP
- 1x Power LED, 4x 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 (8 – 18VDC for old hardware revision) |
| • Power consumption      | < 7W  |
| • Antenna connectors     | 2 x SMA for GSM, 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.