



RUT500 Router

RUT500 is compact 3G router with high speed wireless and Ethernet connections. Fastest option of 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 21, 14.4 or 7.2Mbps depending on the internal modem
- 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
- Integrated OpenVPN, IPSec and Dynamic DNS
- 3G backup WAN function
- SMS reboot function
- DIN rail mounting option
- Option with two pin terminal block power connector
- Wide input voltage range (new revision only)
- Power over Ethernet (LAN and WAN) ports (new revision only, not compliant with IEEE 802.3af-2003)

**RoHS
Compliant**



UMTS/GSM specifications

UMTS

- HSUPA mode: 5.76 Mbps (Cat 6) uplink speed
- UMTS mode: 384 kbps DL/384 kbps UL
- 3 dbi GSM/UMTS antenna
- **Module specific frequencies and downlink speed**

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
- **Module specific GPRS and EDGE speeds**

Module specific options

RUT500 S-4F/21 HSPA+ Router

UMTS

- 850/900/1900/2100 MHz
- **HSDPA mode: 21 Mbps (Cat 14) downlink speed**
- Rx diversity antenna connector

GSM/GPRS/EDGE

- GPRS: 85.6 kbps DL/85.6 kbps UL (class 12)
- EDGE: 236.8 kbps DL/236.8 kbps UL (class 12)

RUT500 T-5F/21 HSPA+ Router

UMTS

- 850/900/AWS1700/1900/2100 MHz
- **HSDPA mode: 21 Mbps (Cat 14) downlink speed**
- Rx diversity antenna connector

GSM/GPRS/EDGE

- GPRS: 107 kbps DL/85.6 kbps UL (class 33)
- EDGE: 296 kbps DL/236.8 kbps UL (class 33)

RUT500 O-4F/14 HSPA+ Router

UMTS

- 850/900/1900/2100 MHz
- **HSDPA mode: 14.4 Mbps (Cat 10) downlink speed**
- Rx diversity antenna connector

GSM/GPRS/EDGE

- GPRS: 85.6 kbps DL/85.6 kbps UL (class 12)
- EDGE: 236.8 kbps DL/236.8 kbps UL (class 12)

RUT500 T-2F/7 HSUPA Router

UMTS

- 850/900/1900/2100 MHz
- **HSDPA mode: 7.2 Mbps (Cat 8) downlink speed**

GSM/GPRS/EDGE

- GPRS: 107 kbps DL/85.6 kbps UL (class 33)
- EDGE: 296 kbps DL/236.8 kbps UL (class 33)

RUT500 H-4F/21 HSPA+ Router

UMTS

- 850/900/1900/2100 MHz
- **HSDPA mode: 21 Mbps (Cat 14) downlink speed**
- Rx diversity antenna connector

GSM/GPRS/EDGE

- GPRS: 85.6 kbps DL/85.6 kbps UL (class 12)
- EDGE: 236.8 kbps DL/236.8 kbps UL (class 12)

RUT500 B-2F/7 HSUPA Router

UMTS

- 900/2100 MHz
- **HSDPA mode: 7.2 Mbps (Cat 8) downlink speed**

GSM/GPRS/EDGE

- GPRS: 85.6 kbps DL/85.6 kbps UL (class 12)
- EDGE: 236.8 kbps DL/236.8 kbps UL (class 12)

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
- 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
- Auto wireless channel selection
- OpenVPN
- IPSec
- PPPoE
- Backup WAN
- SMS and Ping reboot
- Status via SMS
- 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 (1xSMA for HSUPA routers), 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 |

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