TELTONIKA | Networks

TCR100

4G WI-FI ROUTER FOR HOME USER

TCR100 360 VIEW*

// This router represents our extensive industrial IoT experience brought straight to your home.

// With 4G LTE-A technology you can use TCR100 as a primary or a backup connectivity source.

// Two Ethernet interfaces and Dual-band Wi-Fi allow to connect multiple devices with ease!

// TCR100 features connectivity indicators, Wi-Fi, and Wi-Fi Protected buttons for quick and simple setup.

// Reliable, secure and easy to use – TCR100 is the perfect choice for any home network.

4G LTE-ADVANCED

LTE CAT6 enables cellular speeds up to 300Mbps with carrier aggregation

WI-FI

Dual-Band with 2.4 GHz & 5.0 GHz frequencies

SECURE

Firewall and numerous VPN services including OpenVPN, IPsec, PPTP, L2TP & DMVPN

RUTOS

Powerful OS with intuitive UI based on OpenWrt empowers endless configuration possibilities.

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TCR100
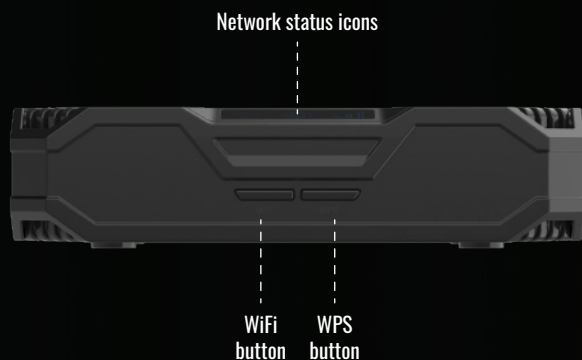
MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Memory	16 MBytes Flash, 128 MBytes RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	2.4 GHz (802.11 b/g/n, 2x2 MIMO), 5 GHz (802.11 ac, 1x1 MIMO), Access Point (AP), Station (STA)
Status LEDs	1 x Internet, 1 x WiFi, 3 x Mobile connection strength, 2 x Ethernet status
Operating temperature	-40 °C to 75 °C
Housing	Plastic housing with aluminum screws and heatsink
Dimensions (W x H x D)	150 x 37 x 105 mm
Weight	376 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply
SMS features	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Network shares (Samba), Traffic Logging

FRONT VIEW

Network status icons

WiFi button

WPS button

BACK VIEW

Mobile Main antenna connector

WAN Ethernet port

SIM needle

Mobile Main antenna connector

WAN Ethernet port

Reset button

Power socket

SIM holder