TCR100

LTE CAT6 CONSUMER GRADE CELLULAR ROUTER

TCR100 360˚ VIEW

4G LTE-A

LTE CAT6 enables cellular speeds up to 300Mbps with Carrier Aggregation

DURABLE

Rugged housing with heatsink for thermal efficiency

RMS

Compatible with our RMS enabling remote access and on-demand VPN services

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 user-friendly UI based on OpenWrt empowers endless configuration possibilities

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TCR100

PRODUCT DESCRIPTION

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

// With 4G LTE-Advanced technology you can use TCR100 as a primary or a backup connectivity source.
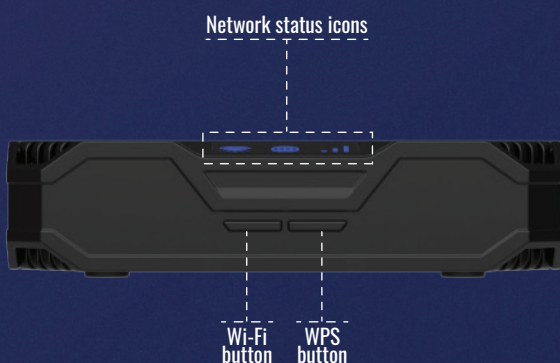
// Two Ethernet interfaces and Dual-band Wi-Fi allow to connect multiple devices with ease!

// TCR100 features connectivity indicators, Wi-Fi, and Wi-Fi Protected buttons for quick and simple setup.
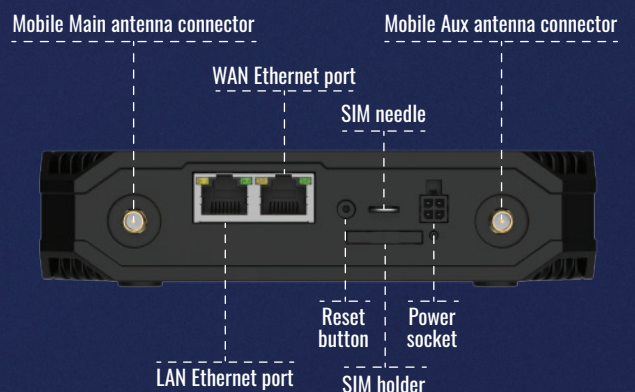
// Reliable, secure and easy to use – TCR100 is the perfect choice for any home network.

FRONT VIEW

Network status icons

Wi-Fi button

WPS button

BACK VIEW

Mobile Main antenna connector

Mobile Aux antenna connector

WAN Ethernet port

SIM needle

Reset button

Power socket

LAN Ethernet port

SIM holder

KEY FEATURES

HARDWARE

Mobile	4G (LTE) – Cat 6; DC-HSDPA; HSUPA; WCDMA
CPU	CPU Qualcom MIPS 24Kc; 650 MHz
Memory	128 MB, DDR2 RAM
Storage	16 MB, SPI Flash
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
Power supply	9 – 30 VDC, 4 pin DC connector
Connectors	1 x 4 pin DC, 2 x Ethernet, 2 x Mobile SMA
SIM	1 x external SIM holder
Status LEDs	1 x WAN status, 1 x Wi-Fi status, 3 x connection strength, 2 x LAN status
Operating temperature	-40 °C to 75 °C
Housing	Plastic housing with aluminum screws and heatsink
Dimensions	150 mm x 37 mm x 105 mm
Buttons	Wi-Fi On/Off, Activate WPS, Reset
Wireless	Dual-band Wi-Fi (2.4 GHz and 5 GHz)

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Multiple PDN	Possibility to use different PDNs for multiple network access and services
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet, SNMP
Networking features	NAT, Static/Dynamic routing, Firewall, OpenVPN, IPsec
Unique networking features	VLAN, Load balancing, Mobile quota control, WEB Filter, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic Reboot, Wget Reboot, LCP and ICMP for link inspection
Authetication	Pre-shared key, digital certificates, X.509 certificates
Keep settings	Update FW without losing current configuration
Monitoring & Management	WEB UI, SSH, SMS, SNMP, JSON-RPC, FOTA, RMS
Supported languages	Busybox shell, Lua, C, C++
Development tools	SDK package with build environment provided

— RMS —

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TCR100

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

— SOCIAL —

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