

TRB500



TRB500 360° VIEW

INDUSTRIAL 5G GATEWAY

TRB500 is equipped with RutOS operating system, provides advanced security features and is compatible with Remote Management System (RMS) for easy remote control and monitoring capabilities. The TRB500 gateway is a compact, energy-efficient industrial gateway with a Gigabit Ethernet interface and two configurable inputs/outputs, allowing extensive customization and implementation of various scenarios. The device can provide ultra-low latency 5G network speeds for mission-critical infrastructure and ensure high data throughput through 4 external antennas, supporting the use of 4x4 MIMO.



5G

Ultra-high cellular speeds of up to 1 Gbps

SA & NSA

Supports both architectures to leverage the 5G infrastructure

COMPACTNESS

One of the smallest 5G gateways available in the market

FUTURE-PROOFING

Backward compatible with 4G (LTE CAT 20) and 3G network technologies



RMS

REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TRB500

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

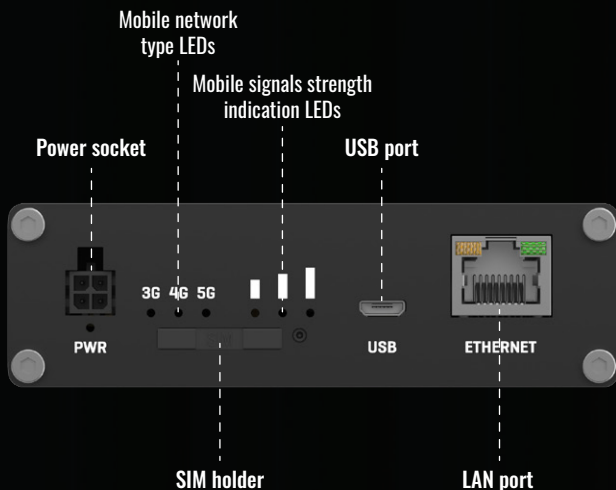
HARDWARE

Mobile	5G Sub-6Ghz SA/NSA 2.1/3.3Gbps DL (4x4 MIMO), 900/600 Mbps UL (2x2); 4G (LTE) - LTE Cat 20 2.0Gbps DL, 200Mbps UL; 3G - 42 Mbps DL, 5.76Mbps UL
CPU	Single core ARM Cortex A7, 1,5 GHz
Flash Storage	512 MB
RAM	256 MB
Powering option	4-pin power socket, 9-30 VDC
SIM	1 x SIM slot (Mini SIM - 2FF), 1.8 V/3 V
Antenna connectors	4 x SMA for Mobile
Ethernet	1x 10/100/1000 Mbps Ethernet port
Inputs/Outputs	On 4-pin socket: 1 x Digital input, 1 x Digital open collector output
Other	1 x Micro USB slave, 1 x Grounding screw
Status LEDs	3 x connection type status LEDs, 3 x connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
Operating temperature	-40° C to 75° C
Housing	Aluminium housing, DIN rail (can be mounted on two sides), flat surface placement
Dimensions (W x H x D)	100 x 30 x 93,4 mm
Weight	241g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Multiple PDN, Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SMTP, SSL v3, TLS, PPP, PPPoE, SSH, DHCP, SNMP, MQTT, Wake on LAN (WOL)
Network features	Routing, Failover, Firewall, DHCP, DDNS, Load Balancing, VoIP passthrough, Connection monitoring
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, WireGuard, ZeroTier
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Security	Authentication, Pre-configured firewall rules, Attack prevention, Mobile quota control, WEB filter, Access control

FRONT VIEW



BACK VIEW

