TELTONIKA | Networks

FLYER // TRB500

TRB500

INDUSTRIAL 5G GATEWAY

TSW212 360° VIEW

// The TRB500 gateway is a compact-sized and energy-efficient industrial gateway with a Gigabit Ethernet interface and two configurable Inputs/Outputs, allowing high-level customization and implementation of various scenarios.

// This device enables 5G network speeds with ultra-low latency for mission-critical infrastructures and high data throughput ensured by 4 external antennas allowing to utilize 4x4 MIMO.

// TRB500 comes with a RutOS operating system that provides advanced security features and is congruent with Remote Management System (RMS) for easy remote control and monitoring capabilities.

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

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KEY FEATURES

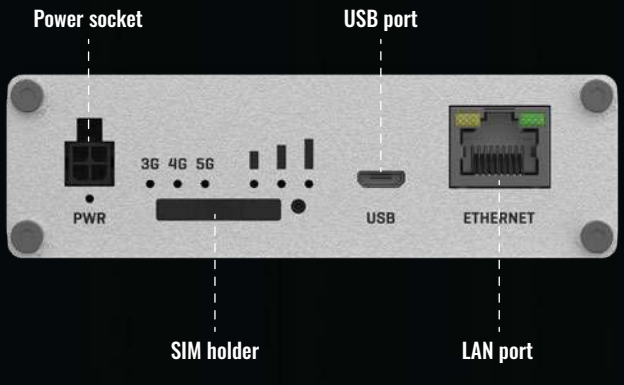
HARDWARE

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

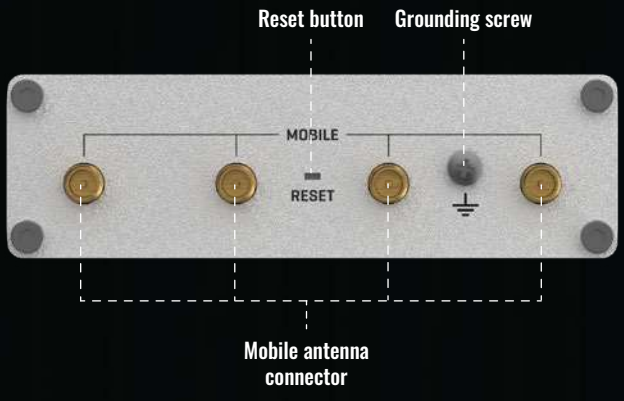
SOFTWARE

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



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