Item no.: SC-2305-2213-5602

TRB500000000 - Industrial 5G Gateway

371,⁶³ EUR

371,63 EUR

Item no.: SC-2305-2213-5602
shipping weight: 0.80 kg
Manufacturer: Teltonika

📄 Product Description

TRB500 - Industrial 5G Gateway

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

This device enables 5G network speeds with ultra-low latency for mission-critical infrastructures and high data throughput, ensured by 4 external antennas that allow the use of 4x4 MIMO.

TRB500 comes with the RutOS operating system, which provides advanced security features and compatibility with Teltonika's Remote Management System (RMS) for optimized remote management and monitoring capabilities of large fleets of devices.

Hardware

- Mobile: 5G Sub-6 Ghz SA/NSA 2.1/3.3 Gbps DL (4x4 MIMO), 900/600 Mbps UL (2x2); 4G (LTE) – LTE Cat 20 2.0 Gbps DL, 200 Mbps UL; 3G – 42 Mbps DL, 5.76 Mbps 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 V DC
- SIM: 1x SIM slot (Mini SIM – 2FF), 1.8 V/3 V
- Antenna connectors: 4x SMA for Mobile
- Ethernet: 1x 10/100/1000 Mbps Ethernet port
- Inputs/outputs: On 4-pin socket: 1x digital input, 1x digital open collector output
- Other: 1x micro USB slave, 1x grounding screw
- Status LEDs: 3x connection type status LEDs, 3x connection strength LEDs, 2x LAN status LEDs, 1x 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: 241 g

Software

- Operating system: RutOS (OpenWrt based Linux OS)
- Mobile features: 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

📄 Specifications