

TRB160

4G LTE CAT6 IOT GATEWAY



TRB160 360° VIEW

The TRB160 is an ultra-small, lightweight, and energy-efficient IoT gateway equipped with mission-critical LTE Cat 6, Gigabit Ethernet, and a virtual network interface via USB Type-C for simultaneous powering and network data provision. This IoT gateway can reach cellular speeds of up to 300 Mbps with carrier aggregation in a broad range of applications and supports a wide range of industrial-grade protocols for M2M communication.



LTE CAT 6

Cellular speeds of up to 300 Mbps with carrier aggregation

USB TYPE-C

For simultaneous powering and network data provision

PROTOCOLS

OPC UA, Modbus, Data to Server, MQTT, DNP3, DLMS, and more

COMPACTNESS

Small size, easy installation



RMS COMPATIBLE WITH TRB160

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

KEY FEATURES

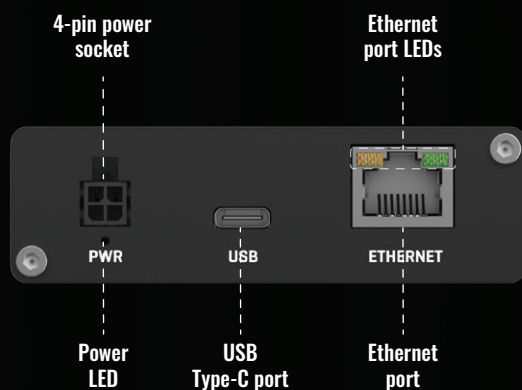
HARDWARE

Mobile	4G (LTE) – Cat 6 up to 300 Mbps, 3G – Up to 42 Mbps
CPU	Qualcomm, 1.2 Ghz, ARM Cortex-A7
RAM	128 MB
Memory	256 MB
Powering options	4-pin industrial DC power socket, 9 – 30 VDC USB Type-C: 5 VDC
SIM	1 x Internal SIM slot (Mini SIM – 2FF), 1.8 V/3 V, eSIM (Optional)
Antenna connectors	2 x SMA for Mobile
Ethernet	1 x RJ45 port, 10/100/1000 Mbps
Inputs/Outputs	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high, 1 x Digital Output, Open collector output, max output 30 V, 300 mA
Other	1x USB Type-C Connector USB3.0 (For power and data)
Status LEDs	2 x connection type status LEDs, 3 x connection strength LEDs, 2 x ETH status LEDs, 1 x Power LED
Operating temperature	-40 °C to 75 °C
Housing	Anodized aluminum housing and panels
Dimensions (W x H x D)	83 x 25 x 74.2 mm
Weight	172 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Status, SMS, USSD, Black/White list, Multiple PDN, Band management, APN, Bridge, Passthrough
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SNMP, MQTT, Wake On Lan (WOL)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc
Monitoring and Management	WEB UI, FOTA, SSH, SMS, Call, TR-069, MQTT, SNMP, JSON-RPC, RMS
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes

FRONT VIEW



BACK VIEW

