

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

REMOTE
MANAGEMENT
SYSTEM

COMPATIBLE WITH TRB160

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

KEY FEATURES

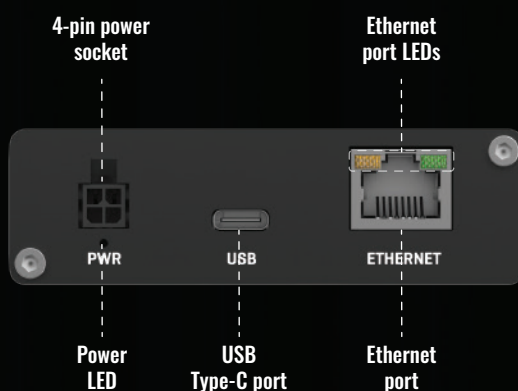
HARDWARE

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, SMNP, 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

