TRB140

INDUSTRIAL RUGGED LTE GATEWAY

TRB140 360° VIEW

CONNECTIVITY

4G/LTE (Cat 4), 3G, 2G

RUTOS

Easy to use, secure and feature rich OpenWRT based operating system

COMPACTNESS

Small size, easy installation

DURABILITY

Rugged aluminum housing

9-30V

Wide range of supported power supply voltages

RMS

Compatible with Teltonika Remote Management System

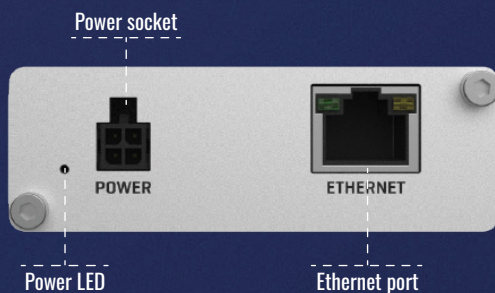## TRB140

PRODUCT DESCRIPTION

// TRB140 is an ultra-small, lightweight, and energy-efficient industrial gateway equipped with mission-critical LTE Cat 4 capabilities, Gigabit Ethernet interface, digital Inputs/Outputs, and micro-USB port.

// Because of its compact design, this product is perfect for projects and applications where a sole gadget requires reliable internet connectivity.

// TRB140 is specially engineered to be used in the industrial sector and has a wide range of software security features, such as SMS control, Firewall, Open VPN, IPsec, Remote Management System (RMS), and FOTA support.

FRONT VIEW

Power socket

POWER   ETHERNET

Power LED   Ethernet port

BACK VIEW

Mobile antenna connector

REMOVE PANEL TO INSERT SIM

2G 3G 4G

USB   MOBILE   RESET

USB connector   Reset button

KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Memory	512 MBytes Flash (70 MBytes for userspace), 128 MBytes RAM (50 MBytes for userspace)
Powering option	4pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Ethernet	1 x 10/100/1000 Ethernet port
Intputs/Outputs	On 4pin socket: 2 x Digital input/Digital open collector output (configurable)
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	75 x 25 x 65 mm
Weight	134 g

SOFTWARE

Operating system	RutOS
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, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, DHCP, Telnet
Firewall	Port forward, Traffic rules, Custom rules, Pre-configured firewall rules, DMZ, NAT, NAT-T, NAT helpers, Unlimited firewall configuration via CLI
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP
Monitoring and management	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

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RMS

RMS
REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TRB140

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

SOCIAL