TRB140

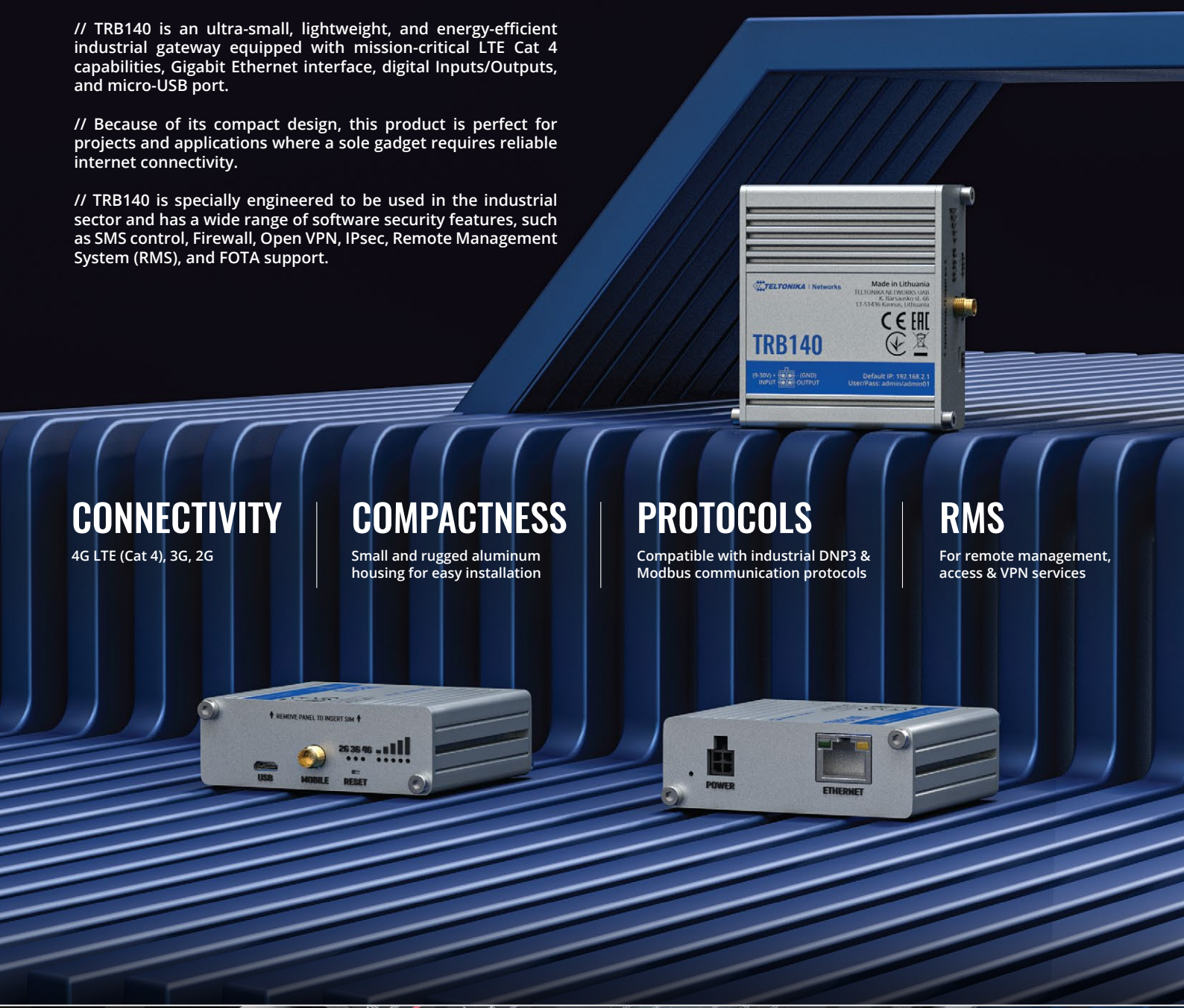
INDUSTRIAL RUGGED LTE GATEWAY

TRB140 360 °VIEW

// 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.



CONNECTIVITY

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

COMPACTNESS

Small and rugged aluminum housing for easy installation

PROTOCOLS

Compatible with industrial DNP3 & Modbus communication protocols

RMS

For remote management, access & VPN services

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TRB140

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

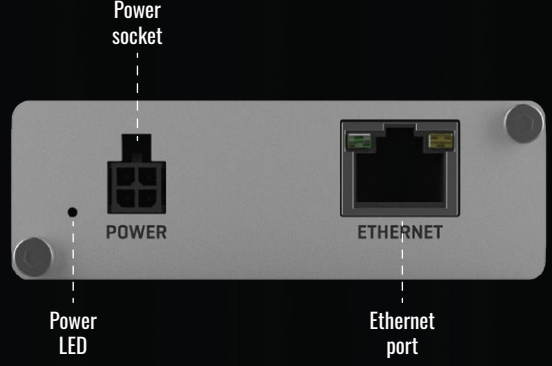
HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Storage	512 MBytes Flash (200 MBytes for userspace)
Memory	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
Inputs/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)	74.5 x 25 x 64.4 mm
Weight	134 g

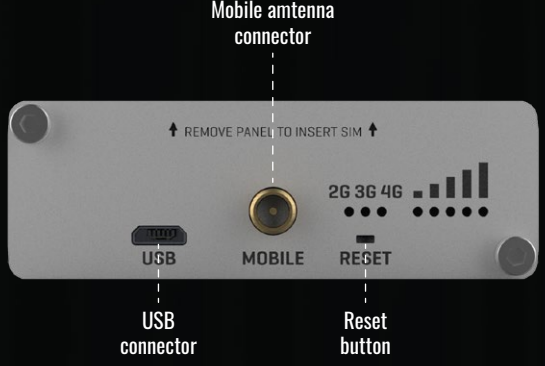
SOFTWARE

Operating system	RutOS
Mobile features	Auto APN, Band lock, 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, PPPoE, DHCP, TelnetDHCP, Telnet
Firewall	Port forward, Traffic rules, Custom rules, Pre-configured firewall rules, 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, SSTP, Stunnel, DMVPN L2TP, ZeroTier, WireGuard
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, 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
SMS features	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS

FRONT VIEW



BACK VIEW



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