TREK1

INDUSTRIAL CELLULAR ROUTER

CONNECTIVITY

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

WAN FAILOVER

Automatic switching to available backup connection

WIFI

Wireless Access Point with Hotspot functionality

COMPACTNESS

Small size – easy integration

I/O

Digital Input/Output for remote monitoring and control

RMS

Compatible with WiFi In Motion Remote Management System

TREK1

PRODUCT DESCRIPTION

// TREK1 is an all-time bestseller industrial 4G LTE Wi-Fi router for professional M2M & IoT applications.

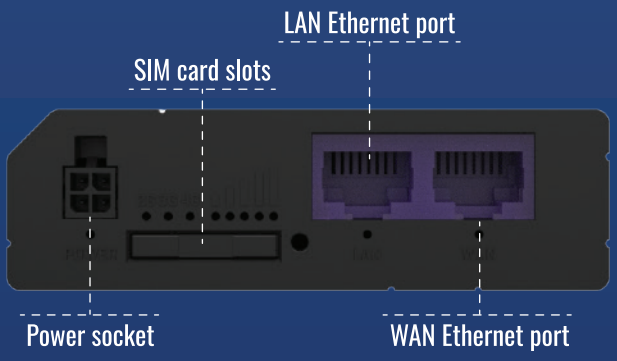
// It delivers high performance for mission-critical cellular communication in rigorous environments.

// TREK1 is widely used for 4G backup, Remote Connection, Advanced VPN, and tunneling services in IoT networking solutions.

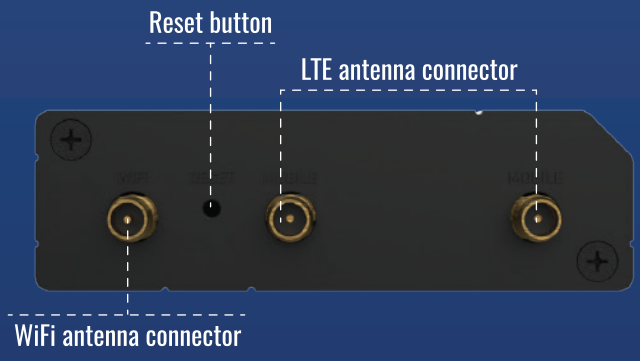
// WAN failover ensures automatic switch to alternative backup connection in case of any connectivity issues.

// The Wi-Fi is functional in both: Access point and Station mode at the same time.

FRONT VIEW



BACK VIEW



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KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Atheros, MIPS 24Kc, 400 MHz
Memory	16 MBytes Flash, 64 MBytes RAM
Powering option	4pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile, 1 x RP-SMA for WiFi
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
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, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	135 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
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 attacksw
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP
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

RMS

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH TREK1

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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