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# TRB145 TELTONIKA Industrial LTE RS485 Gateway

**Kode** : TRB145
**Brand** : Teltonika
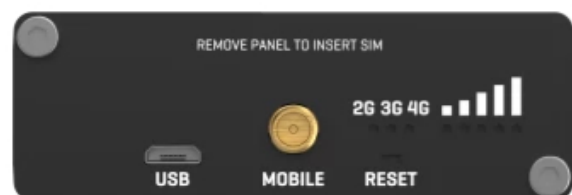**Jenis** : Router LTE
**Harga** : Rp 2.070.000,00

TRB145 is an ultra-small, lightweight, and energy-efficient IoT gateway equipped with mission-critical LTE connectivity that comes with a widely used RS485 interface for remote management of industrial equipment.

**Penawaran Harga Spesial**
08112039555

Features :

- 4G/LTE (Cat 1), 3G, 2G
- Small size, easy installation
- Equipped with RS485 for serial communication
- Compatible with industrial DNP3 & Modbus communication protocols

**Specification**

| Model | TRB145 |
|-------|--------|
|       |        |

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| MOBILE | |
|---|---|
| Mobile module | 4G LTE Cat 1 up to 10 DL/5 UL Mbps; 3G up to 384 DL/384 UL kbps; 2G up to 296 DL/236.8 UL kbps |
| 3GPP Release | Release 12 |
| Status | IMSI, ICCID, operator, operator state, data connection state, network type, bandwidth, connected band, signal strength (RSSI), SINR, RSRP, RSRQ, EC/IO, RSCP, data sent/received, LAC, TAC, cell ID, ARFCN, UARFCN, EARFCN, MCC, and MNC |
| SMS | 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 |
| USSD | Supports sending and reading Unstructured Supplementary Service Data messages |
| Black/White list | Operator black/white list (by country or separate operators) |
| Multiple PDN | Possibility to use different PDNs for multiple network access and services |
| Band management | Band lock, Used band status display |
| SIM PIN code management | SIM PIN code management enables setting, changing, or disabling the SIM card's PIN |
| APN | Auto APN |
| Bridge | Direct connection (bridge) between mobile ISP and device on LAN |
| Passthrough | Gateway assigns its mobile WAN IP address to another device on LAN |

| NETWORK | |
|---|---|
| Routing | Static routing |
| Network protocols | TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSL v3, TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SNMP, MQTT |
| VoIP passthrough support | H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets |
| Connection monitoring | Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection |
| Firewall | Port forward, traffic rules, custom rules, TTL target customisation |
| Firewall status page | View all your Firewall statistics, rules, and rule counters |
| Ports management | View device ports, enable and disable each of them, turn auto-configuration on or off, change their transmission speed, and so on |
| Network topology | Visual representation of your network, showing which devices are connected to which other devices |
| DHCP | Static and dynamic IP allocation, DHCP relay, DHCP server configuration, status, static leases: MAC with wildcards |
| QoS / Smart Queue Management (SQM) | Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e |
| DDNS | Supported >25 service providers, others can be configured manually |

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| Network backup | Mobile, VRRP, Wired options, each of which can be used as an automatic Failover |
|---|---|
| SSHFS | Possibility to mount remote file system via SSH protocol |
| Traffic Management | Real-time monitoring, wireless signal charts, traffic usage history |
|  |  |
| **VPN** |  |
| OpenVPN | Multiple clients and a server can run simultaneously, 27 encryption methods |
| OpenVPN Encryption | DES-CBC 64, RC2-CBC 128, DES-EDE-CBC 128, DES-EDE3-CBC 192, DESX-CBC 192, BF-CBC 128, RC2-40-CBC 40, CAST5-CBC 128, RC2-64-CBC 64, AES-128-CBC 128, AES-128-CFB 128, AES-128-CFB1 128, AES-128-CFB8 128, AES-128-OFB 128, AES-128-GCM 128, AES-192-CFB 192, AES-192-CFB1 192, AES-192-CFB8 192, AES-192-OFB 192, AES-192-CBC 192, AES-192-GCM 192, AES-256-GCM 256, AES-256-CFB 256, AES-256-CFB1 256, AES-256-CFB8 256, AES-256-OFB 256, AES-256-CBC 256 |
| IPsec | XFRM, IKEv1, IKEv2, with 14 encryption methods for IPsec (3DES, DES, AES128, AES192, AES256, AES128GCM8, AES192GCM8, AES256GCM8, AES128GCM12, AES192GCM12, AES256GCM12, AES128GCM16, AES192GCM16, AES256GCM16) |
| GRE | GRE tunnel, GRE tunnel over IPsec support |
| PPTP, L2TP | Client/Server instances can run simultaneously, L2TPv3, L2TP over IPsec support |
| Stunnel | Proxy designed to add TLS encryption functionality to existing clients and servers without any changes in the program's code |
| DMVPN | Method of building scalable IPsec VPNs, Phase 2 and Phase 3 and Dual Hub support |
| SSTP | SSTP client instance support |
| ZeroTier | ZeroTier VPN client support |
| WireGuard | WireGuard VPN client and server support |
| Tinc | Tinc offers encryption, authentication and compression in it's tunnels. Client and server support. |
|  |  |
| **SYSTEM** |  |
| CPU | ARM Cortex-A7 1.2 GHz |
| RAM | 128 MB, DDR2 |
| FLASH storage | 512 MB, SPI Flash |
|  |  |
| **POWER** |  |
| Connector | 4-pin industrial DC power socket |
| Input voltage range | 9 – 30 VDC, reverse polarity protection; surge protection >31 VDC 10us max |
| Power consumption | < 5 W |

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| PHYSICAL INTERFACES | |
|---|---|
| **I/O's** | 2 x Configurable I/O pins on 4 pin power connector |
| **Status LEDs** | 3 x connection type status LEDs, 5 x connection strength LEDs, 1 x Power LED |
| **SIM** | 1 x SIM slot (Mini SIM – 2FF), 1.8 V/3 V |
| **Power** | 1 x 4-pin power connector |
| **Antennas** | 1 x SMA for LTE |
| **RS485** | 1 x 6-pin terminal block for 2-wire or 4-wire interface |
| **Reset** | Reboot/User default reset/Factory reset button |
| **USB** | 1 x Virtual network interface via micro USB |

| PHYSICAL SPECIFICATION | |
|---|---|
| **Casing material** | Aluminium housing |
| **Dimensions (W x H x D)** | 74.5 x 25 x 64.4 mm |
| **Mounting options** | DIN rail, wall mount, flat surface (all require additional kit) |
| **Operating temperature** | -40 °C to 75 °C |
| **Ingress Protection Rating** | IP30 |
| **Operating humidity** | 10% to 90% non-condensing |

Standard Package Contains :

- TRB145 Gateway
- 9 W PSU
- 1x LTE antenna (magnetic mount, SMA male, 3 m cable)
- Micro-USB cable (0.8 m)
- 1x hex key
- RS485 connector
- QSG (Quick Start Guide)
- Packaging box

**Download Datasheet**

* *Harga, spesifikasi, dan ketersediaan bisa berubah dan tidak mengikat*

**URL :** https://www.citraweb.com/produk/1307/

**Informasi lebih lanjut, pemesanan dan pembelian, hubungi: 0274-554444 atau email sales@citraweb.com**