

# TRB245 TELTONIKA Industrial LTE Gateway



**Kode** : TRB245

**Brand** : Teltonika

**Jenis** : Router LTE

**Harga** : Rp 3.586.000,00

TRB245 is an industrial all-in-one M2M LTE Cat 4 gateway equipped with multiple inputs/outputs, RS232, RS485, and Ethernet interfaces, allowing for universal application in M2M solutions.

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## Features :

- 4G/LTE (Cat 4), 3G, 2G
- Dual Sim with auto failover, backup WAN and other switching scenarios
- RS232/RS485 serial communication interfaces
- Multiple Inputs and Outputs for remote monitoring and control

**DUAL SIM (Auto Switch)** : 2 SIM cards, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail.



## Specification

<b>Model</b>	TRB245
<b>MOBILE</b>	

<b>Mobile module</b>	4G (LTE) - Cat 4 up to 150 Mbps, 3G - Up to 42 Mbps, 2G - Up to 236.8 kbps
<b>SIM switch</b>	2 SIM cards, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail, SIM idle protection
<b>Status</b>	Signal strength (RSSI), SINR, RSRP, RSRQ, EC/IO, RSCP, Bytes sent/received, connected band, IMSI, ICCID
<b>SMS</b>	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
<b>USSD</b>	Supports sending and reading Unstructured Supplementary Service Data messages
<b>Black/White list</b>	Operator black/white list
<b>Multiple PDN</b>	Possibility to use different PDNs for multiple network access and services
<b>Band management</b>	Band lock, Used band status display
<b>APN</b>	Auto APN
<b>Bridge</b>	Direct connection (bridge) between mobile ISP and device on LAN
<b>Passthrough</b>	Router assigns its mobile WAN IP address to another device on LAN
<b>ETHERNET</b>	
<b>LAN</b>	1 x LAN port 10/100 Mbps, compliance IEEE 802.3, IEEE 802.3u standards, supports auto MDI/MDIX
<b>NETWORK</b>	
<b>Routing</b>	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing
<b>Network protocols</b>	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)
<b>VoIP passthrough support</b>	H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
<b>Connection monitoring</b>	Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection
<b>Firewall</b>	Port forward, traffic rules, custom rules
<b>DHCP</b>	Static and dynamic IP allocation, DHCP Relay
<b>QoS / Smart Queue Management (SQM)</b>	Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e
<b>DDNS</b>	Supported >25 service providers, others can be configured manually
<b>Network backup</b>	Mobile, VRRP, Wired options, each of which can be used as an automatic Failover
<b>Load balancing</b>	Balance Internet traffic over multiple WAN connections
<b>SSHFS</b>	Possibility to mount remote file system via SSH protocol

<b>VPN</b>	
<b>OpenVPN</b>	Multiple clients and a server can run simultaneously, 27 encryption methods
<b>OpenVPN Encryption</b>	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
<b>IPsec</b>	IKEv1, IKEv2, with 14 encryption methods for IPsec (3DES, DES, AES128, AES192, AES256, AES128GCM8, AES192GCM8, AES256GCM8, AES128GCM12, AES192GCM12, AES256GCM12, AES128GCM16, AES192GCM16, AES256GCM16)
<b>GRE</b>	GRE tunnel, GRE tunnel over IPsec support
<b>PPTP, L2TP</b>	Client/Server instances can run simultaneously, L2TPv3, L2TP over IPsec support
<b>Stunnel</b>	Proxy designed to add TLS encryption functionality to existing clients and servers without any changes in the program's code
<b>DMVPN</b>	Method of building scalable IPsec VPNs
<b>SSTP</b>	SSTP client instance support
<b>ZeroTier</b>	ZeroTier VPN client support
<b>WireGuard</b>	WireGuard VPN client and server support
<b>Tinc</b>	Tinc offers encryption, authentication and compression in it's tunnels. Client and server support.
<b>SYSTEM</b>	
<b>CPU</b>	Qualcomm QCA9531, MIPS 24kc, 650 MHz
<b>RAM</b>	64 MB, DDR2
<b>FLASH storage</b>	16 MB, SPI Flash
<b>POWER</b>	
<b>Connector</b>	2 pins in 16-pin industrial terminal block
<b>Input voltage range</b>	9 - 30 VDC, reverse polarity protection, surge protection +/-1 kV 50 us max
<b>Power consumption</b>	Idle: < 1.2 W, Max: < 5 W
<b>PHYSICAL INTERFACES</b>	
<b>Ethernet</b>	1 x RJ45 ports, 10/100 Mbps

<b>I/O's</b>	3 x Configurable I/O, 1 x Analog input in 16 pin terminal block
<b>Status LEDs</b>	3 x connection status LEDs, 3 x connection strength LEDs, 1 x power LED, 1 x Eth port status LED
<b>SIM</b>	2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V, double stacked SIM tray
<b>Power</b>	1 x 16-pin terminal block
<b>Antennas</b>	1 x SMA connector for LTE, 1 x SMA connector for GNSS
<b>RS232</b>	4 pins in 16-pin terminal block (TX, RX, RTS, CTS)
<b>RS485</b>	4 pins in 16-pin terminal block (D+, D-, R+, R-)
<b>Reset</b>	Reboot/User default reset/Factory reset button
<b>PHYSICAL SPECIFICATION</b>	
<b>Casing material</b>	Aluminium housing
<b>Dimensions (W x H x D)</b>	83 x 25 x 74.2 mm
<b>Mounting options</b>	DIN rail (can be mounted on two sides), flat surface placement
<b>Operating temperature</b>	-40 °C to 75 °C
<b>Ingress Protection Rating</b>	IP30
<b>Operating humidity</b>	10% to 90% non-condensing

Standard Package Contains :

- Router TRB245
- 9 W PSU
- 1 x LTE antenna (swivel, SMA male)
- 1x GNSS antenna (adhesive, SMA male, 3 m cable)
- 16 pin terminal block
- 1 x hex key
- Ethernet cable (1.5 m)
- QSG (Quick Start Guide)
- RMS Flyer
- Packaging box

[Download Datasheet](#)

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

**URL :** <https://www.citraweb.com/produk/1060/>

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