

# RUTX50 TELTONIKA Industrial 5G Router Dual Band



**Kode** : RUTX50

**Brand** : Teltonika

**Jenis** : Router LTE

**Harga** : Rp 10.985.000,00

RUTX50 is a dual-SIM multi-network router offering 5G mobile communication for high-speed and data-heavy applications. Together with 5x Gigabit Ethernet ports and dual-band Wi-Fi, it provides data connection redundancy with auto-failover. Backward compatibility and multiple interfaces allow for long-term expandability and upgrading options.

**\*Spesifikasi perangkat dijual bisa berbeda dengan yang ditampilkan karena menyesuaikan dengan regulasi di Indonesia.**

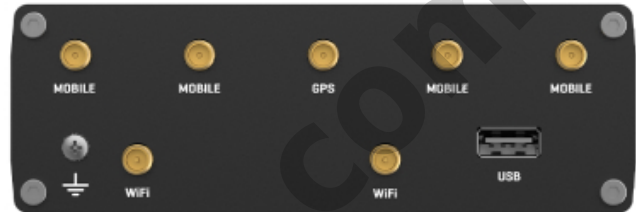
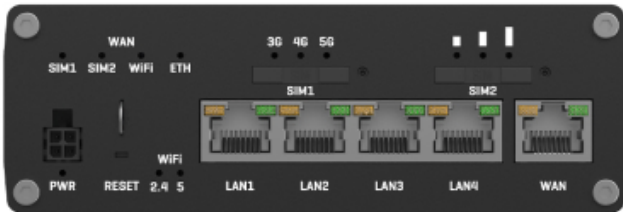
Penawaran Harga Spesial

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Features :

- Ultra-high cellular speeds of up to 3.3 Gbps
- With auto failover, backup WAN and other switching scenarios
- Supports both architectures to leverage the 5G infrastructure
- Backward compatible with 4G (LTE CAT 20) and 3G network technologies

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



## Specification

<b>Model</b>	RUTX50
<b>MOBILE</b>	
<b>Mobile module</b>	5G Sub-6Ghz SA/NSA 2.1/3.3Gbps DL (4x4 MIMO), 900/600 Mbps UL (2x2); 4G LTE Cat 20 up to 2.0 Gbps DL/ 200M Mbps UL; 3G up to 42 DL/ 5.76 UL Mbps
<b>3GPP Release</b>	Release 15/16 depending on the hardware version
<b>SIM switch</b>	Dual SIM, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail, SIM idle protection
<b>Status</b>	IMSI, ICCID, operator, operator state, data connection state, network type, CA indicator, 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
<b>SMS</b>	SMS status, SMS configuration, 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>Block/Allow list</b>	Operator block/allow list (by country or separate operators)
<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>SIM idle protection service</b>	Provides the possibility to configure the router to periodically switch to the unused SIM card and establish a data connection in order to prevent the SIM card from being blocked
<b>SIM PIN code management</b>	SIM PIN code management enables setting, changing, or disabling the SIM card's PIN
<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>Framed routing</b>	Framed routing: support an IP network behind 5G UE
<b>WIRELESS</b>	
<b>Wireless mode</b>	802.11b/g/n/ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transition, Access Point (AP), Station (STA)
<b>WiFi security</b>	WPA2-Enterprise: PEAP, WPA2-PSK, WPA-EAP, WPA-PSK, WPA3-SAE, WPA3-EAP, OWE; AES-CCMP, TKIP, Auto-cipher modes, client separation, EAP-TLS with PKCS#12 certificates, disable auto-reconnect, 802.11w Protected Management Frames (PMF)
<b>SSID/ESSID</b>	SSID stealth mode and access control based on MAC address
<b>WiFi users</b>	up to 150 simultaneous connections
<b>Wireless Connectivity Features</b>	Wireless mesh (802.11s), fast roaming (802.11r), Relayd, BSS transition management (802.11v), radio resource measurement (802.11k)
<b>Wireless MAC filter</b>	Allowlist, blocklist
<b>Wireless QR code generator</b>	Once scanned, a user will automatically enter your network without needing to input login information
<b>TravelMate</b>	Forward Wi-Fi hotspot landing page to a subsequent connected device
<b>ETHERNET</b>	
<b>WAN</b>	1 x WAN port 10/100/1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI/MDIX crossover
<b>LAN</b>	4 x LAN ports, 10/100/1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI/MDIX crossover
<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, SNMP, MQTT, Wake On Lan (WOL), VXLAN
<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, TTL target customisation
<b>Firewall status page</b>	View all your Firewall statistics, rules, and rule counters
<b>Port management</b>	View device ports, enable and disable each of them, turn auto-configuration on or off, change their transmission speed, and so on
<b>Network topology</b>	Visual representation of your network, showing which devices are connected to which other devices
<b>Hotspot</b>	Captive portal (hotspot), internal/external Radius server, Radius MAC authentication, SMS authorisation, SSO authentication, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customisable themes and optionality to upload and download customised hotspot themes
<b>DHCP</b>	Static and dynamic IP allocation, DHCP relay, DHCP server configuration, status, static leases: MAC with wildcards
<b>QoS / Smart Queue Management (SQM)</b>	Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e
<b>DDNS</b>	Supported >77 service providers, others can be configured manually
<b>Network backup</b>	Wi-Fi WAN, 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>VRF support</b>	Initial virtual routing and forwarding (VRF) support
<b>Traffic Management</b>	Real-time monitoring, wireless signal charts, traffic usage history
<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>	XFRM, 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, Phase 2 and Phase 3 and Dual Hub support

<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>Tailscale</b>	Tailscale offers speed, stability, and simplicity over traditional VPNs. Encrypted point-to-point connections using the open source WireGuard protocol
<b>SYSTEM</b>	
<b>CPU</b>	Quad-core ARM Cortex A7, 717 MHz
<b>RAM</b>	256 MB
<b>FLASH storage</b>	256 MB
<b>POWER</b>	
<b>Connector</b>	4-pin industrial DC power socket
<b>Input voltage range</b>	9 - 50 VDC, reverse polarity protection, surge protection >51 VDC 10us max
<b>PoE (passive)</b>	Possibility to power up through LAN1 port, not compatible with IEEE802.3af, 802.3at and 802.3bt standards, Mode B, 9 - 50 VDC
<b>Power consumption</b>	Idle: < 4 W, Max: < 16.5 W
<b>PHYSICAL INTERFACES</b>	
<b>Ethernet</b>	5 x RJ45 ports, 10/100/1000 Mbps
<b>I/O's</b>	1 x Digital Input, 1 x Digital Output on 4-pin power connector
<b>Status LEDs</b>	4 x WAN type, 3 x Mobile connection type, 3 x Mobile connection strength, 10 x Ethernet port status, 1 x Power, 2 x 2.4G and 5G Wi-Fi
<b>SIM</b>	2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V
<b>Power</b>	1 x 4-pin power connector
<b>Antennas</b>	4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS
<b>USB</b>	1 x USB A port for external devices
<b>Reset</b>	Reboot/User default reset/Factory reset button
<b>Other</b>	1 x Grounding screw
<b>PHYSICAL SPECIFICATION</b>	

<b>Casing material</b>	Aluminium housing
<b>Dimensions (W x H x D)</b>	132 x 44.2 x 95.1 mm
<b>Mounting options</b>	DIN rail, wall mount, flat surface (all require additional kit)
<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 :

- RUTX50 Router
- 18 W PSU
- 4x Mobile antennas (swivel, SMA male)
- 2x Wi-Fi antennas (magnetic mount, RP-SMA male, 1.5 m cable)
- 1x GNSS antenna (adhesive, SMA male, 3 m cable)
- Ethernet cable (1.5 m)
- SIM Adapter kit
- QSG (Quick Start Guide)
- Packaging box

[Download Datasheet](#)

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

URL : <https://www.citraweb.com/produk/1421/>

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