

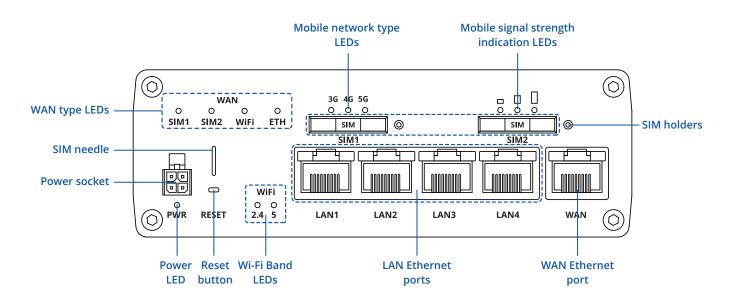
# RUTM50



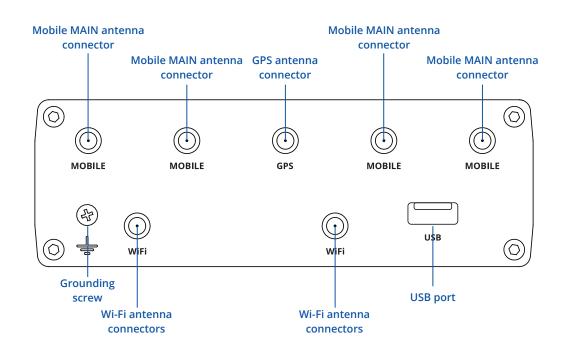


### HARDWARE

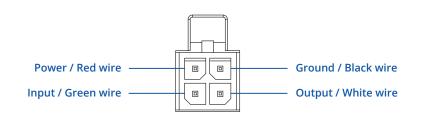
#### **FRONT VIEW**



**BACK VIEW** 









# **FEATURES**

#### MOBILE

Models         Cast 18 2000Mps           SMI selection         25M selection           SMI selection         25M selection           SMI selection         35M selection           SMI	WODILL	
Sam March         SM dile protection         Image: Constraint of the second sec	Mobile module	5G Sub-6 GHz SA, NSA 2.4, 3.4Gbps DL (4x4 MIMO) 900, 550Mbps UL (2x2 MIMO); 4G (LTE): DL Cat 19 1.6Gbps (4x4 MIMO), UL Cat 18 200Mbps
SMS         SMS schedup solution, yeard, and SMS via MTP PDST, GET, EMAIL to SMS, SMS to EMAIL, SMS to HTTP, SMS to SMS,           USSD         Supports sending and reading Unstructured Supplementary Service Data messages           USA         Operator black, white list           Multiple PDN         POSSIBUITS to use different PDNs for multiple network access and services           Band management.         Band lock, Used band status display           APN         Auto APN           Bridge         Direct connection (frigge) between mobile ISP and device on LAN           WIRELESS         Wireless mode           Wireless mode         80.211b, g. n. ac. Wave 2 (WE FI 5) with data transmission rates up to 807 Maps (Dual Band, MU MIMO)           Wireless mode         80.211b, g. n. ac. Wave 2 (WE FI 5) with data transmission rates up to 807 Maps (Dual Band, MU MIMO)           Wireless Mode         ESID social/th mode           Wireless Mode         Capiter poral (frigge) between mobile (80.211n, Relayd           Wireless Mode Tiert         Wireless mach (80.211s), fast roaming (80.211n, Relayd           Wireless Mode Tiert         Wireless mach (80.211s), fast roaming (80.211n, Relayd           Wireless Mode Tiert, MD/D/ D00 Mbps, supports auto MD/MDK crossover         Yea, Wave 2, A LPI ports, 10/10/1000 Mbps, supports auto MD/MDK crossover           Network protocols         TCP, LDPI, IMA, HPA, KCM, PT, Web CAP, RPV IAA, EGRP, NHRP, PRIA, SAR, VBRP, PRP, PRPE, LDPIPP	SIM switch	
SAND         Scheduled SMS, SMS Julicarepty, Call utilities           USDS         Supports sending and reading Unstructured Supplementary Service Pata messages           Black, White list         Operator black, white list           Multigle PDN         Possibility to use different PDNs for multiple network access and services           Band Index, Used band status display         Anno APN           Bridge         Direct connection (bridge) between mobile ISP and device on LAN           WRELESS         WRELESS           WRELESS         Up to 150 simultaneous connections           WRELESS         Up to 150 simultaneous connections           Capito portal Multiple portal Multiple (MSL), MA2-Entry MPA2-PSK, WEP, AES-CCMP, TR0P, Auto Cipher modes, client separation           WRELESS         Up to 150 simultaneous connections           Capito portal Multispue, Unicernalized rana Radius server, SMS authorization, internal/external landing page, wailed garder, user anogenenict, 9 default customable themes           Wreless functify Feature         Wreless mesh (BD,2115), fast roaming (BD,2110, 100, 1000 Mbps, compliance with IEEE 802.31, EEE 802.31, 802.3as standards, support a uto MD, MDK ressover           NEWORK         4 x ETH ports. 10/100/1000 Mbps, supports auto MD/MDK ressover           NETWORK         Static roading, DP, Mark PC, (CMR PT, DS, MTP, TP, STP, PT, PT, STP, STP, SUTLS, ARP, VRP, PPP, PUPPE, UPP, SSH, DHCP, VLPP, SSH, DHCP, VLPP, PD, PUPPE, UPP, SH, DHCP, VLPP, SH, PUPP, PUPPE, UPP, SH, DHCP, VLPP, SH,	Status	Signal strength (RSSI), SINR, RSRP, RSRQ, EC, IO, RSCP Bytes sent, received, connected band, IMSI, ICCID.
Black, White list       Operator black, white list         Multiple PDN       Possibility to use different PDNs for multiple network access and services         Band management       Band lock, Used band status display         APN       Auto APN         Bridge       Direct connection (bridge) between mobile ISP and device on LAN         Wireless mode       802.11b, gr. o. Kwee 2 (WER IS) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)         Wireless mode       802.11b, gr. o. Kwee 2 (WER IS) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)         Wireless mode       802.11b, gr. o. Kwee 2 (WER IS) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)         Wireless mode       802.11b, gr. o. Kwee 2 (WER IS) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)         Wireless Houspet       Captive portal (Houspet), internativeterind Ratine server. SMS authorization, internativeterinal lending page, wolled garden, up reveals (MI Houspet), internativeterinal Ratine server. SMS authorization, internativeterinal lending page, wolled garden, up reveals (MI Houspet), internativeterinal (R02.11r), Relayd         Wireless McBitter       Wireless medi (R02.11s), fast traaming (R02.1r), Relayd         Wireless McBitter       Wineless, Mach MD, MMX, crossover         RAN       1 × WAN Robitse, State routing, Dynamic routing (R0P, OSPF v2, RIP v1/v2, EIGRP, NHPP), Pully based routing.         Relay       State routing, Dynamic routing (R0P, OSPF v2, RIP v1/v2, EIGRP, NHPP), Pul	SMS	
Multiple PDN         Possibility to use different PDKs for multiple network access and services           Band management         Band lock, Used band satus display           APN         Auto APN           Markinge         Direct connection (bridge) between mobile ISP and device on LAN           Passthrough         Router assigns its mobile WAN IP address to another device on LAN           WIRELESS         Wireless           Wireless         Wareless model           Wireless model         802.11b, g. n. or. Wave 2 (WF FI 5) with data transmission roles up to 867 Mbps (Dual Band, MU MIMO)           Wireless         Wireless           Wireless model         802.11b, g. n. or. Wave 2 (WF FI 5) with data transmission roles up to 867 Mbps (Dual Band, MU MIMO)           Wireless flospot         ESSID stealth mode           Wireless Gometivity         WFAS LAP, WPA3 SAE, WPA3 Enterprise PEAP, WPA2.PSK, WEP, AES CCMP, TKP, Auto Cipher modes, client separation           Wireless Gometivity Features         Wireless Indogene portal (Hospot), internal/external Radius server, SMS authorization, internal/external landing page, walled gardien, user management, 9 default customicable threes           Wireless Gometivity Features         Wireless Mode (MI Cite)           Wireless Gometivity Features         Wireless Theory of Canababababababababababababababababababa	USSD	Supports sending and reading Unstructured Supplementary Service Data messages
Band management         Band lock, Used band status display           APN         Auto APN           Bridge         Direct connection (bridge) between mobile ISP and device on LAN           Braststrough         Bouter assigns its mobile WAN IP address to another device on LAN           Wireless         Browneen assigns its mobile WAN IP address to another device on LAN           Wireless mode         802.11b, g, n, at Wave 2 (WLF15), with data transmission rates up to 867 Mbps (Dual Band, ML/MMO)           Wireless mode         802.11b, g, n, at Wave 2 (WLF15), with data transmission rates up to 867 Mbps (Dual Band, ML/MMO)           Wireless mode         802.11b, g, n, at Wave 2 (WLF15), with data transmission rates up to 867 Mbps (Dual Band, ML/MMO)           Wireless for the security         WPA3-EAP, WPA3-SAE, WPA2-Enterprise-PEAP, WPA2-PSK, WEP, AES-CCMP, TKIP, Auto Cipher modes, client separation           Up to 150 simultaneous connections         Captive portal (Hotspot), internal/secternal Badius server, SMS authorization, internal/secternal landing page, welled garden, uper scipe, URL partnees, user groups, individual user or group limitations, user management.9 delaut customicable theres           Wireless Motop         Whitelss, blacklist           ETHENNET         Wireless Mac filter           Wireless Mac filter         Whitelss, blacklist           ETHENNET         NA to THy orts, 10/100/1000 Mbps, supports auto MOI/MDIX crossover           NETVORK         Static routing, Dynamic rout	Black, White list	Operator black, white list
Auto APN         Auto APN           Bridge         Direct connection (bridge) between mobile ISP and device on LAN           Paustbrough         Router assigns its mobile WAN IP address to another device on LAN           WIRELESS         Wireless mode           Box11b, g, n, ac Wave 2 (Wi-F15) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wireless mode         B02.11b, g, n, ac Wave 2 (Wi-F15) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wireless mode         B02.11b, g, n, ac Wave 2 (Wi-F15) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wireless mode         ESSID stealth mode           Wi-Fi users'         Up to 150 simultaneous connections           Captive portal (Hotopo), internal/external Radius server, SMS authorization, internal/external landing page, walled gardere. task scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes           Wireless Motspot         Wireless Motspot           Wireless Motspot         Texnave configured as LAN 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3, IEEE 802.3, Walk 200           Wan         1 x WAN ports (con be configured as LAN 10, 10	Multiple PDN	Possibility to use different PDNs for multiple network access and services
Intege         Direct connection (bridge) between mobile ISP and device on LAN           Passtbrough         Rouser assigns its mobile WAN IP address to another device on LAN           WITELESS           Wireless mode         802.11b, g. n, ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wireless mode         WPA3-EAR, WPA3-SAE, WPA2-Enterprise-PEAP, WPA2-ESK, WEP, AES-CCMP, TKP, Auto Cipher modes, client separation           Wireless         Up to 150 simultaneous connections           Wireless hospot         Captive portal (Hospot) internal/esternal Radius server, SMS authorization, internal/esternal landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable thermas           Wireless Mospot         Wireless Mospot         Wireless Mospot           Wireless Mospot         YMAP port (can be configured as LAN 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI. MDIX crossover           NETWORK         TCP, UPP, IPv4, IPV6, ICMP, NTP, DNS, HTTP, HTTPS, STP, FTP, SMTP, SL/TLS, ARP, VRRP, PPP, PPPe, UPNP, SSH, DHCP, Tainet, SMP, SMP, SMP, SMP, MMP, MORT, Wake On Lan (WOL)           VireWasthrough support         H.323 and SIPA age protocol NAT helpert, allowing proper outing of VaIP packets           Onection monitoring         Ping Reboot, WgRI Reboot, VegR Reboot, LCP and ICMP for link inspection           Freewall         Supported-225 service providers, others can be configured manually	Band management	Band lock, Used band status display
Parsbrrough         Router assigns its mobile WAN IP address to another device on LAN           WIRELESS         Wireless mode         802.11b, g. n, ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           WI-Fi security         WPA3-EAP, WPA3-SAE, WPA3-EAP, WPA3-EAP, WPA2-PSK, WEP; AES-CCMP, TKIP, Auto Cipher modes, client separation           ESSID         ESSID stealth mode           Wi-Fi security         Up to 150 simultaneous connections           Captive portal (Hotspot), Internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts. URL parameters, user groups, individual user orgoup limitations, user management, 9 default customizable themes           Wireless Montpott         Wireless Montpott, Eastures           Wireless Montpott         Wireless Montpott, Eastures           Wireless Montpott, Sub additas         Wireless Mach (B02.11s), fast roaming (B02.11r), Relayd           Wireless Mach (B102         Wireless Mach (B102.11s), fast roaming (B02.11r), Relayd           Wireless Mach (B102         Wireless Mach (B102.11s), fast roaming (B02.11r), Relayd           Wireless Mach (B102.11s), fast roaming (B02.01r), fast paramic routing (B02.01r), Relayd           Wireless Mach (B102.11s), fast roaming (B02.01r), Relayd           Wan a 1 x WN port (Can be configured as LAN) 10, 1000 Mbps, compliance with IEEE B02.3, IEEE B02.3u, 802.3ac standards, supports auto M01/MD1X crossover           LAN         4 x ETH ports, 10/100/1000 Mb	APN	Auto APN
WREELS           Wireless mode         802.11b, g. n., ac Wave 2 (Wi-FI 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wireless mode         802.11b, g. n., ac Wave 2 (Wi-FI 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wireless Flospot         ESSID staalth mode           Wireless Hotspot         Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes           Wireless Adc filter         Wireless Motspot           Wireless Connectivity Features         Wireless Motspot           Wireless Connectivity Features         Wireless Motspot           Wireless Adc filter         Whitelist, blacklist           ETHERNET         Wall           WAN         1 × WAN port (can be configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3, 802.3ar standards, supports auto MDI, MDX crossover           NETWORK         Routing         Static routing, Dynamic routing (BGP, OSPF v2, RIP v1v2, EIGRP, NHRP), Policy based routing.           Network protocols         TCP, UDP, IWA, IWA, ICMP, NTP, DNS, HTTP, HTTPS, STPT, FTP, SMTP, SSL7LS, ARP, VIRP, PPP, EUPNP, SSH, DHCP, Telles, SMPP, SMMP, MOTT, WAR Con and WOUJ           VolP passtbringh support         H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets           Connection	Bridge	Direct connection (bridge) between mobile ISP and device on LAN
Wireless mode         802.11b, g. r., ac Wave 2 (W-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)           Wi-Fi security         WPA3-EAP, WPA3-SAE, WPA2-Enterprise-PEAP, WPA2-PSK, WEP; AES-CCMP, TKIP, Auto Cipher modes, client separation           ESSID         ESSID steakh mode           Wi-Fi users         Up to 150 simultaneous connections           Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, wailed garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes           Wireless MAC filter         Whitelist, blacklist           ETHERNET         Wireless aud MDI, MDR Crossover           WAN         1 x WAN port (can be configured as LAN) 10, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3ez standards, supports auto MDI, MDR Crossover           NETWORK         IX           Routing         Static routing, Dynamic routing (BGP, OSPF v2, RIP v1A2, EIGRP, NHRP), Policy based routing           Network protocols         TCP, UDP, IPA4, IPA6, ICMP, NTP, DNS, HTTP, HTTPS, STTP, STTP, SMTP, SSL/TLS, ARP, VRRP, PPP, PPPe, UPNP, SSH, DHCP, Telnet, SMPP, SMNP, MOTT, Wake to Lan (WOL)           VOIP passthrough support         H.323 and SIP-aig protocol NAT helpers, allowing proper routing of VoIP packets           Connection monitoring         Ping Reboot, Weet Reboot, Periodic Reboot, LCP and ICMP for link inspection           DHCP         Static and dynamic IP allocation, DHCP	Passthrough	Router assigns its mobile WAN IP address to another device on LAN
WPA3-EAP, WPA3-SAE, WPA2-Enterprise-PEAP, WPA2-PSK, WEP, AES-CCMP, TKIP, Auto Cipher modes, client separation         ESSID       ESSID stealth mode         Wi-Fi users       Up to 150 simultaneous connections         Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable tharins.         Wireless Hotspot       Verifelss mesh (802.11s), fast roaming (802.11r), Relayd         Wireless Connectivity Features       Whitelist, blacklist         ETHERNET       What is the configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDL, MDIX crossover         NAN       1 x WAN port (can be configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDL, MDIX crossover         NETWORK       TCP, UDP, IPA4, IPA6, ICMP, NTP, DNS, HTTP, HTTPS, SETP, FTP, SMTP, SLITLS, ARP, VRRP, PPP, EUPNP, SSH, DHCP, Telnet, SMPP, SMNP, MQTT, Wake On Lan (WOL)         VolP passthrough support       H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VolP packets         Connection monitoring       Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection         Firewall       Port forwards, traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e         DDNS       Supported >25 service providers, others can be configured manually	WIRELESS	
ESSID       ESSID stealth mode         Wi-Fi users       Up to 150 simultaneous connections         Wireless Hotspot       Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, themes         Wireless Connectivity Features       Wireless mesh (802.11s), fast roaming (802.11r), Relayd         Wireless McK filter       Whielist, blacklist         ETHERNET       ************************************	Wireless mode	802.11b, g, n, ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)
Wi-Fi users         Up to 150 simultaneous connections           Wireless Hotspot         Captive portal (Hotspot), Internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes.           Wireless Connectivity Features         Wireless mesh (802.11s), fast roaming (802.11r), Relayd           Wireless MAC filter         Whitelist, blacklist           ETHERNET         Values auto MDI, MDIX crossover           VAN         \$1 x WAN port (can be configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI, MDIX crossover           NETWORK         Routing           Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           Network protocols         TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, VRRP, PPP, PPP06, UPNP, SSH, DHCP, Tehnet, SMPP, SMPMP, MQTT, Wake On Lan (WOL)           VolP passthrough support         H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VolP packets           Connection monitoring         Ping Reboot, Wiget Reboot, Periodic Reboot, LCP and ICMP for link inspection           Friewall         Port forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           QoS / Smart Queue Management (SQM)         Suported >25 service providers, others can be configured m	Wi-Fi security	WPA3-EAP, WPA3-SAE, WPA2-Enterprise-PEAP, WPA2-PSK, WEP; AES-CCMP, TKIP, Auto Cipher modes, client separation
Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user sorgioup, individual user or group limitations, user management, 9 default customizable themes           Wireless Hotspot         Wireless mash (802.11s), fast roaming (802.11r), Relayd           Wireless MAC filter         Whitelist, blacklist           ETHERNET         Wann           WAN         1 x WAN port, (can be configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI, MDIX crossover           LAN         4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover           NETWORK         Routing           Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           TCP, UDP, IPA, IPAG, KMP, MUTT, MS& On Lan (WOL)           VolP passthrough support         H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VolP packets           Connection monitoring         Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection           Firewall         Port forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           QG/S Smart Queue         Vi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover           Laad balancing         Balance internet traffic over multiple WAN connections           SHFS         Possibility to mount remote file s	ESSID	ESSID stealth mode
Wireless Hotspot         user scripts, UBL parameters, user groups, individual user or group limitations, user management, 9 default customizable wireless Connectivity Features           Wireless Connectivity Features         Wireless mesh (802.11s), fast roaming (802.11r), Relayd           Wireless MAC filter         Whitelist, blacklist           ETHERNET         Wantal Supports auto MDI, MDIX crossover           UAN         4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover           NETWORK         Routing           Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           Network protocols         TCP, UDP, IPV4, IPV6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, STP, STLTS, ARP, VRRP, PPP, PPPOE, UPNP, SSH, DHCP, Teiner, SMPP, SMNP, MQTT, Wake On Lan (WOL)           Yolf 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 forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           QoS / Smart Queue         Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e           DDNS         Supported >25 service providers, others can be configured manually           Network backup         Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Fail	Wi-Fi users	Up to 150 simultaneous connections
Wireless MAC filter         Whitelist, blacklist           ETHERNET         1 x WAN port (can be configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI, MDIX crossover           LAN         4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover           NETWORK         Routing         Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           Network protocols         TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL7LS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SINP, MQTT, Vake On Lan (WOL)           V0IP 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 forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           QoS / Smart Queue         Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e           Management (SQM)         Traffic priority queuing by source/destination, service, and anunally           Network backup         Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover           Load balancing         Balance Internet traffic cover multiple WAN connections           SSHFS         Possibility to mount remote file system via SSH protocol </td <td>Wireless Hotspot</td> <td>user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable</td>	Wireless Hotspot	user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable
ETHERNET           WAN         1 x WAN port (can be configured as LAN) 10, 100, 1000 Mbps, compiliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI, MDIX crossover           LAN         4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover           NETWORK         Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           Network protocols         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)           VolP 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 forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           QoS / Smart Queue         Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e           DDNS         Supported >25 service providers, others can be configured manually           Network backup         Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover           Load balancing         Balance Internet traffic over multiple WAN connections           SSHFS         Possibility to mount remote file system via SSH protocol           SECURIY         Pre-configured firewall rules can	Wireless Connectivity Features	Wireless mesh (802.11s), fast roaming (802.11r), Relayd
WAN       1 x WAN port (can be configured as LAN) 10, 100, 1000 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI, MDX crossover         LAN       4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover         NETWORK       Routing       Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing         Network protocols       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)         VOIP passthrough support       H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets         Connection monitoring       Ping Reboot, Veget Reboot, Periodic Reboot, LCP and ICMP for link inspection         Firewall       Port forwards, traffic rules, custom rules         DHCP       Static and dynamic IP allocation, DHCP Relay         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         Network backup       Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover         Load balancing       Balance Internet traffic over multiple WAN connections         SSHFS       Possibility to mount remote file system via SSH protocol         SECURITY       Authentication       Pre-shared key, digital certificates, X.509 certificat	Wireless MAC filter	Whitelist, blacklist
WMM         supports auto MDI, MDIX crossover           LAN         4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover           NETWORK         Routing         Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           Network protocols         TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, STP, STD, SL/TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SMNP, MQTT, Wake on Lan (WOL)           VolP 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 forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           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           Network backup         Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover           Load balancing         Balance Internet traffic orier multiple WAN connections           SECURITY         Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block           Firewall         Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block	ETHERNET	
LAN       4 x ETH ports, 10/100/1000 Mbps, supports auto MDI/MDIX crossover         NETWORK         Routing       Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing         Network protocols       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)         VolP 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 forwards, traffic rules, custom rules         DHCP       Static and dynamic IP allocation, DHCP Relay         QoS / Smart Queue       Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e         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         Network backup       Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover         Load balancing       Balance Internet traffic over multiple WAN connections         SSHFS       Possibility to mount remote file system via SSH protocol         SECURITY       Authentication       Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block	WAN	
NETWORK           Routing         Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing           Network protocols         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)           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 forwards, traffic rules, custom rules           DHCP         Static and dynamic IP allocation, DHCP Relay           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           Network backup         Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover           Ladd balancing         Balance Internet traffic over multiple WAN connections           SSHFS         Possibility to mount remote file system via SSH protocol           SECURITY         Authentication           Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block           Firewall         Pre-configured firewall rules can be enabled via the WebUJ, unlimited firewall configuration via CLI; NAT; NAT-T	LAN	
Network protocols       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)         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 forwards, traffic rules, custom rules         DHCP       Static and dynamic IP allocation, DHCP Relay         QoS / Smart Queue       Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e         DDNS       Supported >25 service providers, others can be configured manually         Network backup       Wi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic Failover         Load balancing       Balance Internet traffic over multiple WAN connections         SSEHFS       Possibility to mount remote file system via SSH protocol         SECURITY       Authentication       Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block         Firewall       Pre-configured firewall rules can be enabled via the WebUI, unlimited firewall configuration via CLI; NAT; NAT-T         Authentication       Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block         Firewall       Pre-configured firewall rules can be enabled via the WebUI, unlimited fire	NETWORK	
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Connection monitoringPing Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspectionFirewallPort forwards, traffic rules, custom rulesDHCPStatic and dynamic IP allocation, DHCP RelayQoS / Smart Queue Management (SQM)Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11eDDNSSupported >25 service providers, others can be configured manuallyNetwork backupWi-Fi WAN, Mobile, VRRP, Wired options, each of which can be used as an automatic FailoverLoad balancingBalance Internet traffic over multiple WAN connectionsSSHFSPossibility to mount remote file system via SSH protocolSECURITYAuthenticationPre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts blockFirewallPre-configured firewall rules can be enabled via the WebUI, unlimited firewall configuration via CLI; NAT; NAT-TAttack preventionSyN-RST, X-mas, NULL flags, FIN scan attacks)VLANPort and tag-based VLAN separationMobile quota controlMobile data limit, customizable period, start time, warning limit, phone numberWEB filterBlacklist for blocking out unwanted websites, Whitelist for specifying allowed sites only	VoIP passthrough support	H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
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Attack prevention       DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FII         Attack prevention       SYN-RST, X-mas, NULL flags, FIN scan attacks)         VLAN       Port and tag-based VLAN separation         Mobile quota control       Mobile data limit, customizable period, start time, warning limit, phone number         WEB filter       Blacklist for blocking out unwanted websites, Whitelist for specifying allowed sites only		
VLAN       Port and tag-based VLAN separation         Mobile quota control       Mobile data limit, customizable period, start time, warning limit, phone number         WEB filter       Blacklist for blocking out unwanted websites, Whitelist for specifying allowed sites only		DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN
Mobile quota control       Mobile data limit, customizable period, start time, warning limit, phone number         MEB filter       Blacklist for blocking out unwanted websites, Whitelist for specifying allowed sites only	VLAN	
WEB filter Blacklist for blocking out unwanted websites, Whitelist for specifying allowed sites only		
	Access control	Flexible access control of TCP, UDP, ICMP packets, MAC address filter



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RMS

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- 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	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
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
BACNET	
Supported modes	Router
Supported connection types	ТСР
OPC UA	
Supported modes	Client, Server (planned)
Supported connection types	ТСР
DNP3	
Supported modes	Station, Outstation
Supported connection types	TCP, USB
MODBUS	
Supported modes	Server, Client
Supported connection types	TCP, USB
Custom registers	MODBUS TCP custom register block requests, which read/write to a file inside the router, and can be used to extend MODBUS TCP Slave functionality
Supported data formats	8-bit: INT, UINT; 16-bit: INT, UINT (MSB or LSB first); 32-bit: float, INT, UINT (ABCD (big-endian), DCBA (little-endian), CDAB, BADC), HEX, ASCII
DATA TO SERVER	
Protocols	HTTP(S), MQTT, Azure MQTT
Modbus MQTT GATEWAY	
Modbus MQTT Gateway	Allows sending commands and receiving data from MODBUS Master through MQTT broker
MONITORING & MANAGEM	IENT
WEB UI	HTTP, HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, kernel log
FOTA	Firmware update from server, automatic notification
SSH	SSH (v1, v2)
SMS	SMS status, SMS configuration, send, read SMS via HTTP POST, GET
Call	Reboot, Status, Mobile data on/off, Output on/off, answer/hang-up with a timer, Wi-Fi on/off
TR-069	OpenACS, EasyCwmp, ACSLite, tGem, LibreACS, GenieACS, FreeACS, LibCWMP, Friendly tech, AVSystem
MQTT	MQTT Broker, MQTT publisher
SNMP	SNMP (v1, v2, v3), SNMP trap
JSON-RPC	Management API over HTTP, HTTPS
Modbus	Modbus TCP status, control

Teltonika Remote Management System (RMS)



#### **IOT PLATFORMS**

Cloud of Things	Allows monitoring of: Device data, Mobile data, Network info, Availability
ThingWorx	Allows monitoring of: WAN Type, WAN IP, Mobile Operator Name, Mobile Signal Strength, Mobile Network Type
Cumulocity	Allows monitoring of: Device Model, Revision and Serial Number, Mobile Cell ID, ICCID, IMEI, Connection Type, Operator, Signal Strength, WAN Type and IP
Azure loT Hub	Can send device IP, Number of bytes send, received, Mobile connection state, Network link state, IMEI, ICCID, Model, Manufac- turer, Serial, Revision, IMSI, SIM State, PIN state, GSM signal, WCDMA RSCP, WCDMA EC, IO, LTE RSRP, LTE SINR, LTE RSRQ, CELL ID, Operator, Operator number, Connection type, Temperature, PIN count to Azure IoT Hub server

#### SYSTEM CHARACTERISTICS

CPU	MediaTek MT7621A, Dual-Core, 880 MHz, MIPS1004Kc
RAM	256MB DDR3
FLASH storage	16MB serial NOR flash, 256MB serial NAND flash

#### FIRMWARE, CONFIGURATION

WEB UI	Update FW from file, check FW on server, configuration profiles, configuration backup
FOTA	Update FW
RMS	Update FW, configuration for multiple devices at once
Keep settings	Update FW without losing current configuration

#### FIRMWARE CUSTOMIZATION

Operating system	RutOS (OpenWrt based Linux OS)
Supported languages	Busybox shell, Lua, C, C++, and Python, Java in Package manager
Development tools	SDK package with build environment provided

#### LOCATION TRACKING

GNSS	GPS, GLONASS, BeiDou, Galileo and QZSS
Coordinates	GNSS coordinates via WebUI, SMS, TAVL, RMS
NMEA	NMEA 0183
NTRIP	NTRIP protocol (Networked Transport of RTCM via Internet Protocol)
Server software	Supports server software: TAVL, RMS
Geofencing	Multiple configurable geofence zones
USB	

# Data rate USB 2.0 Applications Samba share, USB-to-serial External devices Possibility to connect external HDD, flash drive, additional modem, printer, USB-serial adapter Storage formats FAT, FAT32, exFAT, NTFS (read-only), ext2, ext3, ext4

#### **INPUT / OUTPUT**

Input	1 x Digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high
Output	1 x Digital Output, Open collector output, max output 50 V, 300 mA
Events	SMS, Email, RMS
I/O juggler	Allows setting certain I, O conditions to initiate event
POWER	
Connector	4-pin industrial DC power socket
Input voltage range	9 – 50 VDC, reverse polarity protection, surge protection >51 VDC 10us max
PoE (passive)	Passive PoE over spare pairs. Possibility to power up through LAN port, not compatible with IEEE802.3af, 802.3at and 802.3bt standards, Mode B, LAN1 Port, 9 - 50 VDC
Power consumption	ldle: <5 W, Max: <18 W



#### PHYSICAL INTERFACES (PORTS, LEDS, ANTENNAS, BUTTONS, SIM)

Ethernet	5 x RJ45 ports, 10, 100, 1000 Mbps
I/O's	1 x Digital Input, 1 x Digital Output on 4-pin power connector
Status LEDs	3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs
SIM	2 x SIM slot (Mini SIM – 2FF), 1.8 V, 3 V
Power	1 x 4-pin DC power connector
Antennas	4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi, 1 x SMA for GNSS
USB	1 x USB A port for external devices
Reset	Reboot, User default reset, Factory reset button
Grounding	1 x Grounding screw

#### PHYSICAL SPECIFICATION

Casing material	Aluminum housing
Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
Weight	519 g
Mounting options	DIN rail (can be mounted on two sides), flat surface placement

#### **OPERATING ENVIRONMENT**

Operating temperature	-40 °C to 75 °C
Operating humidity	10 % to 90 % non-condensing
Ingress Protection Rating	IP30

#### **REGULATORY & TYPE APPROVALS**

Regulatory

FCC, IC, PTCRB

#### EMC EMISSIONS & IMMUNITY

Standards	47 CFR Part 15 Subpart B ICES-003: Issue 7 (October 2020)		
RF			
Standards (Wi-Fi 2.4 GHz, 5 GHz)	47 CFR Part 15 Subpart C - § 15.247, Subpart E - § 15.407 RSS-247 Issue 2 (February 2017), RSS-Gen Issue 5 (April 2018) Amendment 2 (February 2021) KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 KDB 905462 D04 Operational Modes for DFS Testing New Rules v01		
Standards (4G, 5G)	47 CFR Part 2, Part 22 Subpart H, Part 24 Subpart E, Part 27 Subpart C, Part 90 Subpart R/S, Part 96 RSS-130 Issue 2 (February 2019), RSS-132 Issue 3 (January 2013), RSS-133 Issue 6 (January 2018) Amendment, RSS-139 I (July 2015), RSS-140 Issue 1 (April 2018), RSS-192 Issue 4 (May 2020), RSS-195 Issue 2 (April 2014), RSS-197 Issue 1 (Febr 2010), RSS-199 Issue 3 (December 2016), RSS-Gen Issue 5 (April 2018) Amendment 2 SRSP-503 Issue 7 (September 2008), SRSP-510 Issue 5 (February 2009), SRSP-513 Issue 3 (July 2015), SRSP-516 Issue 1 (A 2014), SRSP-517 Issue 1 (July 2014), SRSP-518 Issue 2 (February 2019), SRSP-520 Issue 2 (November 2021)		
RF EXPOSURE			

Standards

47 CFR - § 2.1091 KDB 447498 D04 Interim General RF Exposure Guidance v01 RSS-102 Issue 5 (March 2015) Amendment 1

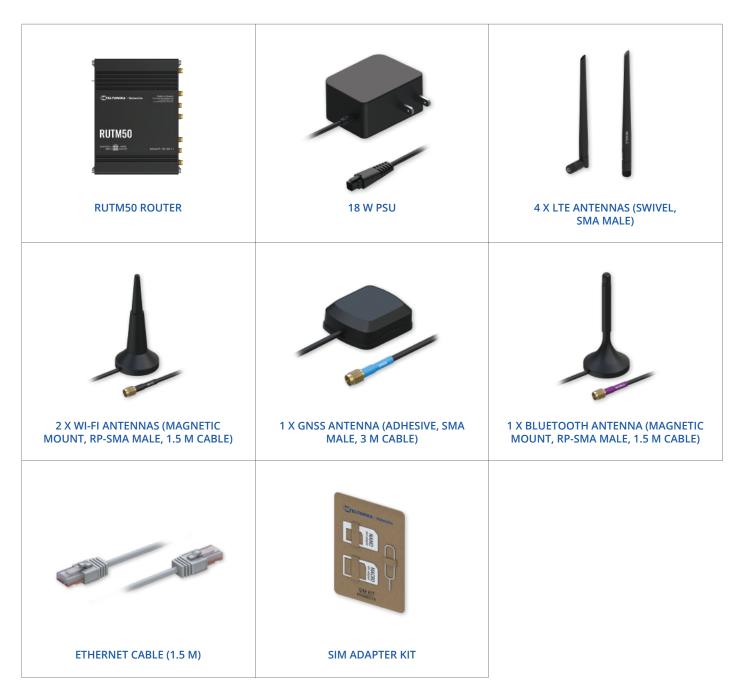


# WHAT'S IN THE BOX?

#### **STANDARD PACKAGE CONTAINS\***

- RUTM50 Router
- 18 W PSU
- 4 x Mobile antennas (swivel, SMA male)
- 2 x Wi-Fi antennas (magnetic mount, RP-SMA male, 1.5 m cable)
- 1 x GNSS antenna (adhesive, SMA male, 3 m cable)
- Ethernet cable (1.5 m)
- SIM Adapter kit
- QSG (Quick Start Guide)
- Packaging box





\* For all standard order codes standard package contents are the same, except for PSU.



# **STANDARD ORDER CODES**

PRODUCT CODE	HS CODE	HTS CODE	PACKAGE CONTAINS
RUTM50 000000	851762	8517.62.00	Standard package

For more information on all available packaging options - please contact us directly.

# **AVAILABLE VERSIONS**

UENCY
NR NSA: n2, n5, n7, n12, n13, n14, n25, n26, n29, 38, n41, n48, n66, n70, n71, n77, n78 NR SA: 5G NR SA: n2, n5, n7, n12, n13, n14, n25, 29, n30, n38, n41, n48, n66, n70, n71, n77, n78 DL 4 × 4 MIMO: n2, n5, n7, n12, n13*, n14, n25, n29, n30, n38, n41, n48, n66, n70, n71, n77, n78 LTE-FDDJ: B2, B4, B5, B7, B12, B13, B14, B17, B25, 29, B30, B66, B71 LTE-TDDJ: B38, B41, B42, B43, B48

The price and lead-times for region (operator) specific versions may vary. For more information please contact us.

1 - Regional availability - excluding Russia & Belarus.



## **RUTM50 SPATIAL MEASUREMENTS & WEIGHT**

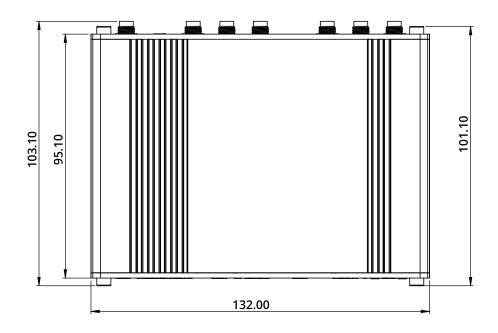
#### MAIN MEASUREMENTS

W x H x D dimensions for RUTM50:				
Device housing*:	132 x 44.2 x 95.1 mm			
Box:	355 x 60 x 175 mm			

\*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below.

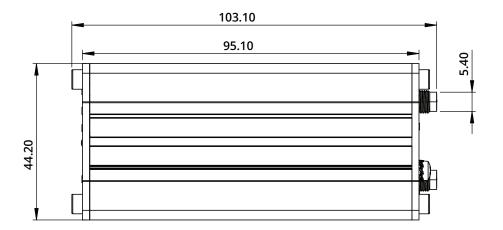
#### **TOP VIEW**

The figure below depicts the measurements of RUTM50 and its components as seen from the top:



#### **RIGHT VIEW**

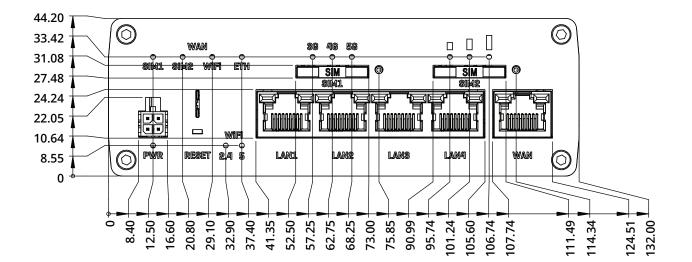
The figure below depicts the measurements of RUTM50 and its components as seen from the right side:





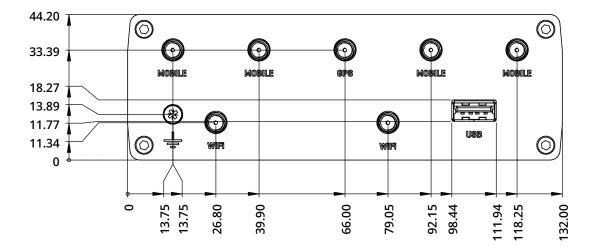
#### **FRONT VIEW**

The figure below depicts the measurements of RUTM50 and its components as seen from the front panel side:



#### **REAR VIEW**

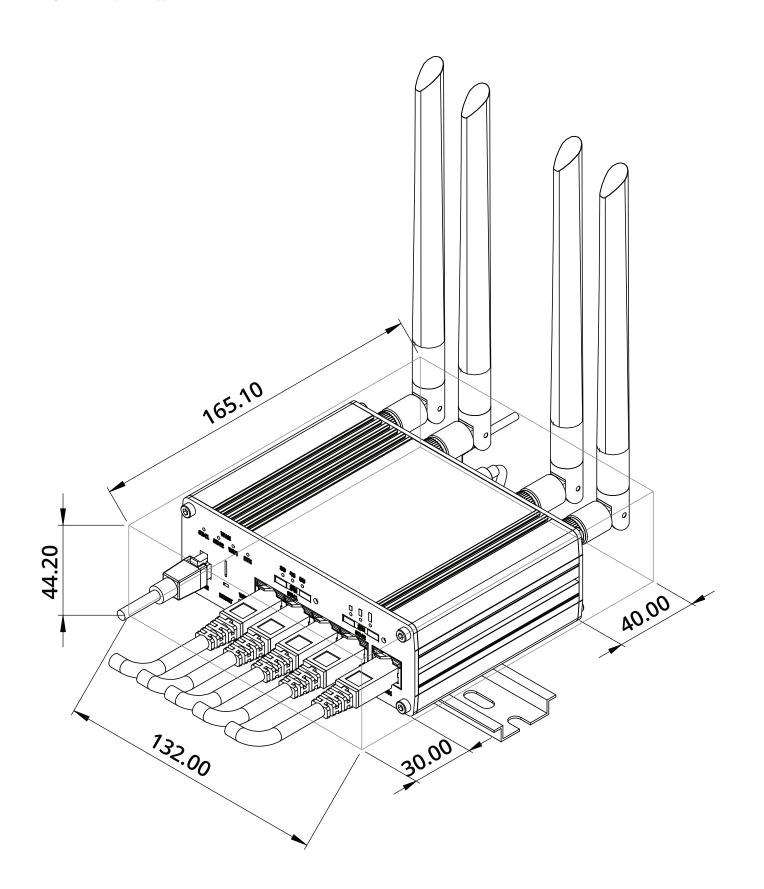
The figure below depicts the measurements of RUTM50 and its components as seen from the back panel side:





#### MOUNTING SPACE REQUIREMENTS

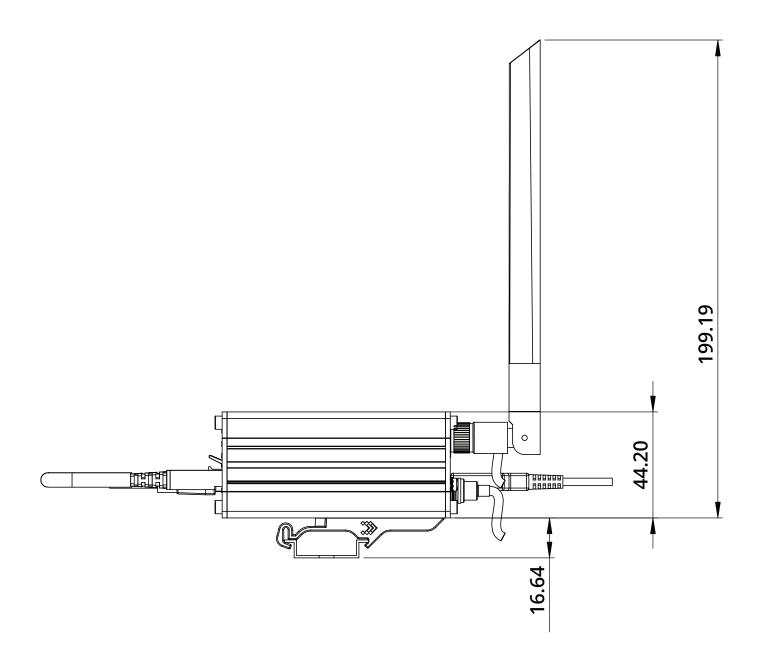
The figure below depicts an approximation of the device's dimensions when cables and antennas are attached:





#### **DIN RAIL**

The scheme below depicts protrusion measurements of an attached DIN Rail:



# **Mouser Electronics**

Authorized Distributor

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