ELTONIKA NETWORKS UAE K. Barsausko st. 60 T 51436 Kaunas, Lithuania

Default IP: 192.168.1.1



RUTM50200500

CELLULAR 5G ROUTER

RUTM50 is a Giteki-certified Teltonika Networks cellular 5G router for the Japanese market, with ultra-high cellular speeds of up to 3.4 Gbps. This dual SIM router has auto-failover and backup WAN and supports both SA and NSA 5G architectures. It is also backward compatible with 4G (LTE Cat 19/18), making it perfect for future-proofing your industrial networking solutions.



TELTONIKA | Networks

RUTM50

(9-50 VDC) + . (GND)



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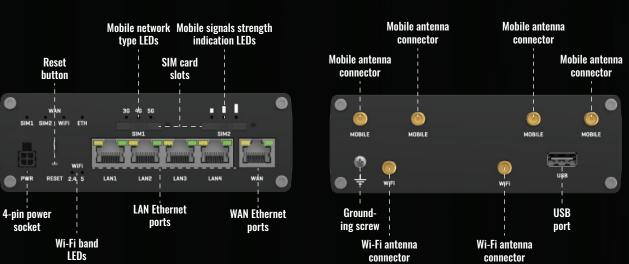


KEY FEATURES

HARDWARE

RAM 256MB DDR3 Storage 16MB serial NOR flash, 256MB serial NAND flash Powering options 4-pin industrial DC power socket, 9 - 50 VDC SIM 2 × SIM slots (Mini SIM – 2FF), 1.8 V/3 V Antenna connectors 4 × 5MA for Mobile, 2 × RP-SMA for Wi-Fi Ethernet 5 × RJ45 ports, 10/100/1000 Mbps Wi-Fi 802.11b/g/n/ac Wave 2 (Wi-Fi S) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transition, Access Point (AP), Station (STA) Inputs/Outputs 1 × Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA Other 1 × Grounding screw Status LEDs 3 × connection status LEDs, 3 × connection strength LEDs, 10 × Ethernet port status LEDs, 4 × WAN status LEDs, 1 × Power LED, 2 × 2.4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W × H × D) 132 × 44.2 × 95.1 mm Weight 519 g SOFTWARE SiM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed Incuting Network features SiM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Pa	Mobile	5G Sub-6Ghz SA/NSA 2.4/3.4Gbps DL (4x4 MIMO), 900/550 Mbps UL (2x2); 4G (LTE) – LTE Cat 19 1.6Gbps DL, LTE cat 18 200Mbps UL; 3G – 42 Mbps DL, 5.76Mbps UL
Storage 16MB serial NOR flash, 256MB serial NAND flash Powering options 4-pin industrial DC power socket, 9 - 50 VDC SIM 2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V Antenna connectors 4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi Ethernet 5 x RJ45 ports, 10/100/1000 Mbps Wi-Fi 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 transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transmission rates up to 80.7 Wbl as - 0.7 VB (Past configurable digital upput, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital upput, 0 - 6 V detected as logic high, 1 x configurable digital upput, 0 - 6 V detected as logic high, 1 x configurable digital upput, 0 - 6 V detected as logic high, 1	CPU	MediaTek, Dual-Core, 880 MHz, MIPS1004Kc
Powering options 4-pin industrial DC power socket, 9 - 50 VDC SIM 2 x SIM slots (Mini SIM – 2FF), 1.8 V/3 V Antenna connectors 4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi Ethernet 5 x RJ45 ports, 10/100/1000 Mbps Wi-Fi 802.11b/g/n/ac Wave 2 (Wi-Fi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.111 fast transmission, access Point (AP), Station (STA) Inputs/Outputs 1 x Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA Other 1 x Grounding screw Status LEDs 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W x H x D) 132 x 44.2 x 95.1 mm SOFTWARE S Operating system RutOS (OpenWrt based Linux OS) Mobile features SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing VOIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network features Not work features <td>RAM</td> <td>256MB DDR3</td>	RAM	256MB DDR3
SIM 2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V Antenna connectors 4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi Ethernet 5 x RJ45 ports, 10/100/1000 Mbps Wi-Fi 802.11b/g/n/ac Wave 2 (Wi-Fi S) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transition, Access Point (AP), Station (STA) Inputs/Outputs 1 x Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, 0 pen collector output, max output 30 V, 300 mA Other 1 x Grounding screw Status LEDs 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W x H x D) 132 x 44.2 x 95.1 mm Weight 519 g SOFTWARE SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing Network features VolP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SHFS, VRF support Security Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control <t< td=""><td>Storage</td><td>16MB serial NOR flash, 256MB serial NAND flash</td></t<>	Storage	16MB serial NOR flash, 256MB serial NAND flash
Antenna connectors 4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi Ethernet 5 x RJ45 ports, 10/100/1000 Mbps Wi-Fi 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) Inputs/Outputs 1 x Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA Other 1 x Grounding screw Status LEDs 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x .4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W x H x D) 132 x 44.2 x 95.1 mm Weight 519 g SOFTWARE SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing Network features VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network boology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHF, VR support Security Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control VPN and tunneling OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP	Powering options	4-pin industrial DC power socket, 9 - 50 VDC
Ethernet 5 x RJ45 ports, 10/100/1000 Mbps Wi-Fi 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) Inputs/Outputs 1 x Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA Other 1 x Grounding screw Status LEDs 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W x H x D) 132 x 44.2 x 95.1 mm Weight 519 g SOFTWARE SilM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing Network features SilM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing Network features VoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHFS, VRF support Security Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control	SIM	2 x SIM slots (Mini SIM – 2FF), 1.8 V/3 V
Wi-Fi 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) Inputs/Outputs 1 x Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA Other 1 x Grounding screw Status LEDs 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W x H x D) 132 x 44.2 x 95.1 mm Weight 519 g SOFTWARE SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing Network features VolP passthrough support, Connection motioring, Firewall, Firewall status page, Ports management, Network topology, DHCP, Qof / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHF, VRF support Security Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control VPN and tunneling OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale Monitoring and Management WEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMS <td>Antenna connectors</td> <td>4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi</td>	Antenna connectors	4 x SMA for Mobile, 2 x RP-SMA for Wi-Fi
WI-FI MU-MIMÖ), 802.11r fast transition, Access Point (AP), Station (STA) Inputs/Outputs 1 x Configurable digital Input, 0 - 6 V detected as logic low, 8 - 50 V detected as logic high, 1 x configurable digital Output, Open collector output, max output 30 V, 300 mA Other 1 x Grounding screw Status LEDs 3 x connection status LEDs, 3 x connection strength LEDs, 10 x Ethernet port status LEDs, 4 x WAN status LEDs, 1 x Power LED, 2 x 2.4G and 5G Wi-Fi LEDs Operating temperature -40 °C to 75 °C Housing Anodized aluminum housing and panels Dimensions (W x H x D) 132 x 44.2 x 95.1 mm Weight 519 g SOFTWARE SIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routing Network features VolP passthrough support, Connection monitoring, Firewall Status page, Ports management, Network boology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHFS, VRF support Security Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control VPN and tunneling OpenVPN, IPsec, GRE, PTPP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale Monitoring and Management WEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMS Cloud solutions RMS, Cloud of Things, ThingWorx, Cumulocity,	Ethernet	5 x RJ45 ports, 10/100/1000 Mbps
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HousingAnodized aluminum housing and panelsDimensions (W x H x D)132 x 44.2 x 95.1 mmWeight519 gSOFTWAREOperating systemRutOS (OpenWrt based Linux OS)Mobile featuresSIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routingNetwork featuresVoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHFS, VRF supportSecurityAuthentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access controlVPN and tunnelingOpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, TailscaleMonitoring and ManagementWEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMSCloud solutionsRMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub	Status LEDs	
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Weight519 gSOFTWARERutOS (OpenWrt based Linux OS)Operating systemRutOS (OpenWrt based Linux OS)Mobile featuresSIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routingNetwork featuresVoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHFS, VRF supportSecurityAuthentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access controlVPN and tunnelingOpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, TailscaleMonitoring and ManagementWEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMSCloud solutionsRMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub	Housing	Anodized aluminum housing and panels
SOFTWAREOperating systemRutOS (OpenWrt based Linux OS)Mobile featuresSIM switch, Status, SMS, USSD, Black/White list, Multiple PDN, Band management, SIM idle protection service, APN, Bridge, Passthrough, Framed routingNetwork featuresVoIP passthrough support, Connection monitoring, Firewall, Firewall status page, Ports management, Network topology, DHCP, QoS / Smart Queue Management (SQM), DDNS, Network backup, Load balancing, Hotspot, SSHFS, VRF supportSecurityAuthentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access controlVPN and tunnelingOpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, TailscaleMonitoring and ManagementWEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMSCloud solutionsRMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub	Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
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Monitoring and ManagementWEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMSCloud solutionsRMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub	Security	Authentication, Firewall, Attack prevention, VLAN, Mobile quota control, WEB filter, Access control
Cloud solutions RMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub	VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale
	Monitoring and Management	WEB UI, FOTA, SSH, SMS, Call, Email, TR-069, MQTT, SNMP, JSON-RPC, RMS
Services OPC UA, MODBUS, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS	Cloud solutions	RMS, Cloud of Things, ThingWorx, Cumulocity, Azure IoT Hub
	Services	OPC UA, MODBUS, Data to Server, Modbus MQTT GATEWAY, DNP3, DLMS

FRONT VIEW



BACK VIEW

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