RUTX11

INDUSTRIAL CELLULAR ROUTER

RUTX11 360° VIEW

// RUTX11 is a very powerful device equipped with Dual-SIM with auto Failover, Backup WAN, and other SW features.

// A wide range of internal hardware interfaces allows this product to be used in power-hungry industrial applications where speed and robustness are at the heart of the solution.

// 4G LTE – Cat 6 DL up to 300 Mbps in sync with 4 x 1 Gbit Ethernet ports allows for a seamless data transfer experience with auto-failover and a backup WAN.

// Bluetooth LE allows sensors to be connected directly to the router, thus minimizing the overall solution ecosystem.

4G LTE CAT 6

Cellular speeds up to 300Mbps with Carrier Aggregation

DUAL SIM

With auto failover, backup WAN and other switching scenarios

WI-FI & BT

Wave-2 802.11ac Dual Band WIFI and Bluetooth LE

GIGABIT ETH

4 x Gigabit Ethernet ports with up to 128 port/tag-based VLANs supported

RMS | REMOTE MANAGEMENT SYSTEM

COMPATIBLE WITH RUTX11

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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KEY FEATURES

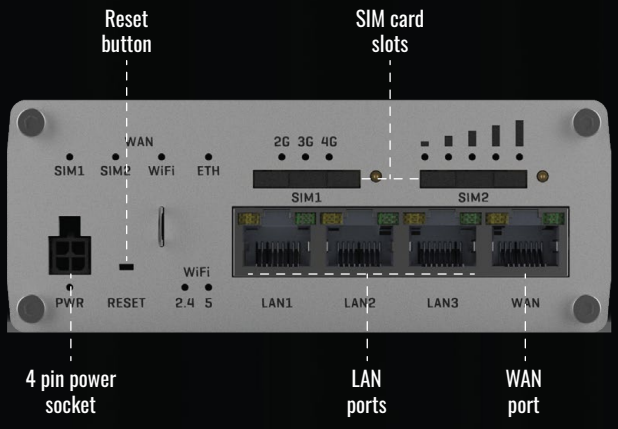
HARDWARE

Mobile	4G/LTE (Cat 6), 3G
CPU	Qualcomm, 4 x ARM Cortex A7, 717 MHz
Storage	256 MB Flash
Memory	256 MB RAM
Powering option	4pin power socket, 9-50 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x RP-SMA for Bluetooth, 1 x SMA for GPS
Ethernet	4 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n 2.4GHz, IEEE 802.11ac/n/a 5GHz, Access point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Bluetooth	4.0 (Low energy)
Inputs/Outputs	On 4pin socket: 1 x Digital input, 1 x Digital open collector output
Other	1 x USB host
Status LEDs	4 x WAN type, 2 x Connection type, 5 x Signal strength, 2 x WiFi, 8 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option and grounding capability
Dimensions (W x H x D)	115 x 44.2 x 95.1 mm
Weight	456 g

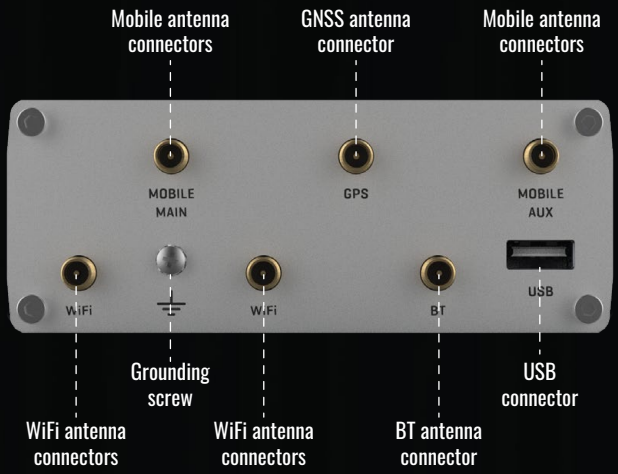
SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Multiple PDN, Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Routing	Static routes, Dynamic routes (BGP, OSPFv2, RIPv1/v2, EIGRP, NHRP), Routing rules
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, WireGuard, ZeroTier
Cloud solutions	RMS, FOTA, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Hotspot	External/Internal Radius, SMS OTP, MAC authentication, Walled Garden
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing

FRONT VIEW



BACK VIEW



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