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

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

Reset button
SIM card slots
4 pin power socket
LAN ports
WAN port

BACK VIEW

Mobile antenna connectors
GNSS antenna connector
Mobile antenna connectors
Grounding screw
USB connector
WiFi antenna connectors
WiFi antenna connectors
BT antenna connector