

# RUTX50

## INDUSTRIAL 5G ROUTER



RUTX50 360° VIEW

RUTX50 is your multi-brand industrial industry that implies in the future, Ozring 5G mobile communication for high-speed and heavy data applications. Mobile communication with Double Sim 5G combined with 5 Gigabit Wi-Fi ports and Double Wi-Fi allows reliable super basic data transmission. The power of 5G technology, combined with a range of industrial interfaces and characteristics, ensures adaptability to upgrade and expand in the future. RUTX50 is provided with Rutos, provides advanced security functions and specialized industrial protocols for a series of professional and compatible application scenarios with our remote management system (RMS), for optimized management and remote monitoring of large equipment waves



### 5G

Ultra-high cellular speeds of up to 3.3 Gbps

### DUAL SIM

With auto failover, backup WAN and other switching scenarios

### SA & NSA

Supports both architectures to leverage the 5G infrastructure

### FUTURE-PROOFING

Backward compatible with 4G (LTE CAT 20) and 3G network technologies



# RMS COMPATIBLE WITH RUTX50

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

**REMOTE  
MANAGEMENT  
SYSTEM**

# KEY FEATURES

## HARDWARE

Mobile	5G Sub-6Ghz SA/NSA 2.1/3.3Gbps DL (4x4 MIMO), 900/600 Mbps UL (2x2); 4G (LTE) – LTE Cat 20 2.0Gbps DL, 200Mbps UL; 3G – 42 Mbps DL, 5.76Mbps UL
CPU	Quad-core ARM Cortex A7, 717 MHz
Flash storage	256 MB
RAM	256 MB
Powering options	4-pin power socket, 9-50 VDC
SIM	2 x SIM slot (Mini SIM – 2FF), 1.8 V/3 V
Antenna connectors	4 x SMA for Mobile, 2 x RP-SMA for WiFi, 1 x SMA for GNSS
Ethernet	5 x 10/100/1000 Ethernet ports: 1 x WAN (configurable as LAN), 4 x LAN
WiFi	802.11b/g/n/ac Wave 2 (WiFi 5) with data transmission rates of up to 867 Mbps (Dual Band, MU-MIMO), 802.11r fast transition, Access Point (AP), Station (STA)
Wireless mesh/roaming	Wireless mesh (802.11s), fast roaming (802.11r)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 4-pin socket: 1 x Digital input, 1 x Digital open collector output
Other	1 x USB host, 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, 1x Power LED, 2 x 2.4G and 5G WiFi LEDs
Operating temperature	-40 °C to 75 °C
Housing	Aluminum housing, DIN rail (can be mounted on two sides), flat surface placement
Dimensions (W x H x D)	132 x 44.2 x 95.1 mm
Weight	533 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 features	Routing, Failover, Firewall, DHCP, DDNS, Load Balancing, VoIP passthrough, Connection monitoring
Monitoring and Management	WEB UI, CLI, SSH, CALL, SMS, TR-069, SNMP, JSON-RPC, MQTT, MODBUS, RMS
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
GNSS	NMEA forwarding, AVL, Geofencing

## FRONT VIEW

## BACK VIEW

