RUTX50

INDUSTRIAL 5G ROUTER

RUTX50 360° VIEW

// RUTX50 is your future-proof, multi-network industrial router, offering 5G mobile communication for high-speed and data-heavy applications.

// 5G dual SIM cellular communication combined with 5 Gigabit Ethernet ports and dual-band Wi-Fi enables reliable ultra-low latency data transfer.

// The power of 5G technology, combined with a wide range of interfaces and industrial hardware features, ensures adaptability for future upgrades and expansions.

// RUTX50 comes with the RutOS, which provides advanced security features and specialized industrial protocols for a wide range of professional application scenarios, and is compatible with our Remote Management System (RMS), for optimized remote management and monitoring capabilities of large fleets of devices.

5G
Ultra-high cellular speeds of up to 3.3 Gbps

DUAL SIM
Uninterrupted communication with auto-failover

SA & NSA
Supports both architectures to leverage the 5G infrastructure

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

RMS | REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH RUTX50
MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

HYPER-TECH Systems

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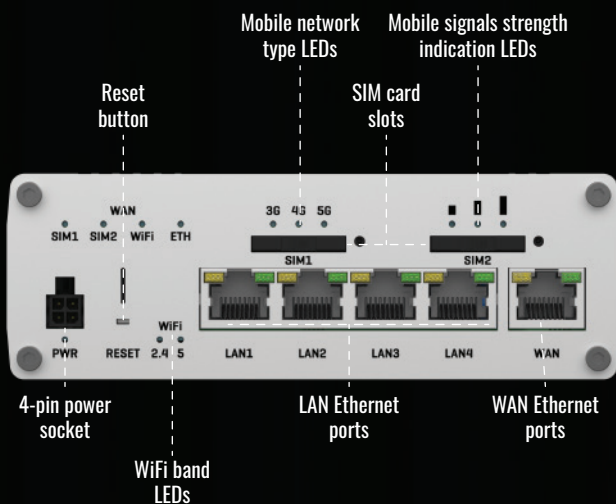Fax: +972-3-9243385 | sales@hypertech.co.il | www.hypertech.co.il

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

Reset button
Mobile network type LEDs
SIM card slots
Mobile signals strength indication LEDs
4-pin power socket
WiFi band LEDs
LAN Ethernet ports
WAN Ethernet ports

BACK VIEW

Mobile antenna connector
Mobile antenna connector
Mobile antenna connector
GPS antenna connector
Mobile antenna connector
Grounding screw
WiFi antenna connector
WiFi antenna connector
USB connector