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3G INDUSTRIAL CELLULAR ROUTER

Compact, robust and powerful device tailored for Industrial M2M/IoT applications where no high data throughput is needed. RUT230 is equipped with 2 x Ethernet and Wireless interfaces. Device provides secure and stable Internet connectivity for Industrial applications using RutOS software and security features such as OpenVPN, IPsec, Firewall, Hotspot, SMS control and RMS support.

→ Worldwide 3G network coverage

→ Compact size, easy integration

→ Automatic switching to available | Backup connection

→ Digital Input/Output for remote monitoring and control

→ Wireless Access Point with Hotspot and station functionality

HARDWARE

Mobile	3G HSPA+ Up to 14.4 Mbps; UMTS; EDGE; GPRS; CSD
CPU	Atheros Hornet, MIPS 24Kc, 400 MHz
Memory	16 MBytes Flash, 128 MBytes DDR2 RAM
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
Power Supply	9 – 30 VDC, 4 pin DC connector
Inputs/Outputs	1 x Digital Input, 1 x Digital Open Collector Output on power connector
Connectors	1 x 4 pin DC, 2 x Ethernet, 1 x GSM/UMTS antenna 830-960/1710-2170 MHz, 50 Ω, VSWR ≤ 2, gain** 1 dBi, omnidirectional, SMA male connector 1 x WiFi antenna 2401-2462 MHz, 50 Ω, gain** 3dBi, VSWR ≤ 1.5, omnidirectional, RP-SMA connector
SIM	1 x external SIM holder
Status LEDs	2 x connection type status, 5 x connection strength, 2 x LAN status, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	83 mm x 74 mm x 25 mm
Weight	125 g
Operating system	RutOS (OpenWrt based Linux OS)

SOFTWARE

Multiple PDN	Possibility to use different PDNs for multiple network access and services
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DHCP, DNS, HTTP, HTTPS, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet, SNMP
Networking features	NAT, Static/Dynamic routing, Firewall, OpenVPN, IPsec, H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
Unique networking features	VLAN, Load balancing, Mobile quota control, WEB Filter, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic Reboot, Wget Reboot, LCP and ICMP for link inspection
Authentication	Pre-shared key, digital certificates, X.509 certificates
Keep settings	Update FW without losing current configuration
Monitoring & Management	WEB UI, SSH, SMS, SNMP, JSON-RPC, FOTA, RMS
Supported languages	Busybox shell, Lua, C, C++
Development tools	SDK package with build environment provided

ORDERING CODE

SIN.RUT230
SIN.RUT230T APN Tim preconfigured **| SIN.RUT230V** APN Vodafone preconfigured

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