

M2M-RUT240

Compact 4G /LTE & WiFi Cellular Router



- Compact size for NEMA wireless solutions
- Wide operating temperature
- Wireless access point with Hotspot function
- LTE Cat 4 speeds up to 150 mbp/s
- WAN Failover with backup connection
- Included power supply,, <5W

System Overview

The M2M-RUT240 is a powerful 4G/LTE and WiFi cellular router that is compact enough to be paired inside our NEMA boxes for a complete wireless surveillance solution. The M2M-RUT240 supports industry leading security features including 4G backup, Remote Connection, Out-of-Band Management, Advanced VPN and tunneling services in IoT networking solutions. The router also features an external SIM holder, digital input/output and signal strength status LEDs for monitoring.

Technical Specification

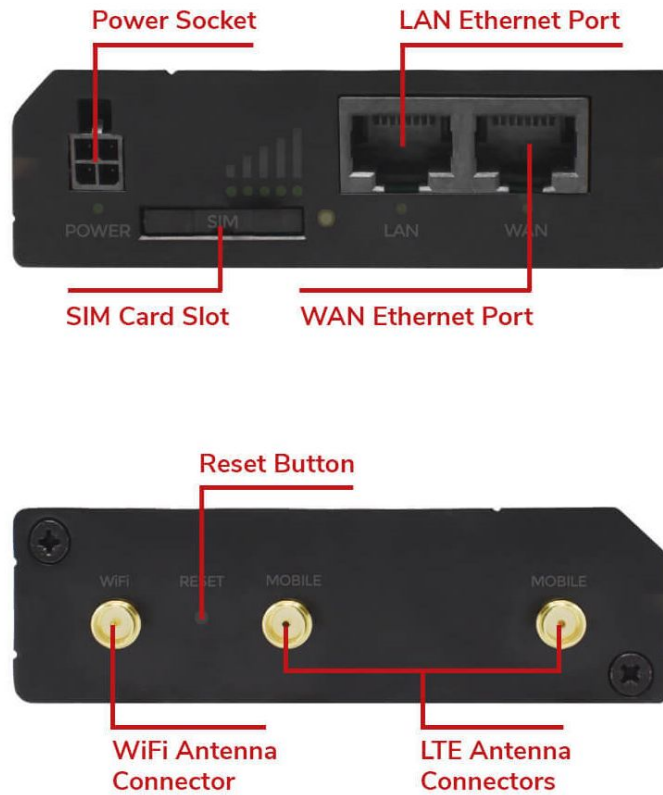
System

Model	M2M-RUT240
CPU/ RAM	Atheros Hornet, MIPS 24Kc, 400 MHz, 64 MB, DDR2
Operating System	RutOS (OpenWrt based Linux OS)
WAN	1 x WAN port (can be configured to LAN) 10/100 Mbps, comply IEEE 802.3, IEEE 802.3u standards, supports auto MDI/MDIX
LAN	1 x LAN port, 10/100 Mbps, comply IEEE 802.3, IEEE 802.3u standards, supports auto MDI/MDIX
Input/ Output	1 Digital Input, 1 Digital Output on 4 pin power connector
Events	SMS, EMAIL, RMS
Status LEDs	3 x connection type status LEDs, 5 x connection strength LEDs, 2 x LAN status LEDs, 1 x Power LED
SIM	1 x SIM slot (Mini SIM – 2FF), 1.8 V/3 V, external SIM holder
Antennas	2 x SMA for LTE, 1 x RP-SMA for WiFi antenna connectors
Reset	Reset/restore to default button supported
Power	9 – 30 VDC (4 pin industrial socket), reverse polarity protection, surge protection >33 VDC 10us max, <5W
Operating Temperature	-40 °C to 75 °C
Operating Humidity	10% to 90% non-condensing
Ingress Protection	IP30
Casing Material	Aluminum housing, plastic panels
Weight	0.27lb (125g)
Dimensions (W x D x H)	83 mm x 74 mm x 25 mm (H x W x D)

Network

Web GUI	HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, kernel log
Firewall	Port forward, traffic rules, custom rules
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSL v3, TLS, ARP, VRRP, PPP, PPPoE, UPnP, SSH, DHCP, Telnet, SMNP, MQTT, Wake On Lan (WOL)
Routing	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, RIPng, OSPF6)
VoIP passthrough support	H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
DHCP	Static and dynamic IP allocation, DHCP Relayed
QoS	Traffic priority queuing by source/destination, service, protocol or port, traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e
Network backup	VRRP, Mobile, Wired and WiFi WAN options, each of which can be used as backup, using automatic Failover
WiFi	50 user support; WPA2-Enterprise (with external/ internal Radius server), WPA2-PSK, WPA-PSK, WEP, MAC Filter
Wireless mode	IEEE 802.11b/g/n, Access Point (AP), Station (STA)
WiFi security	WPA2-Enterprise – PEAP, EAP-TLS, TLS, TTLS, AES-CCMP, TKIP, Auto Cipher modes, Client separation
Wireless Hotspot	Captive portal (Hotspot), internal/external Radius server, built in customizable landing page
Mobile module	4G (LTE) – Cat 4 up to 150 Mbps, 3G – Up to 42 Mbps, 2G – Up to 236.8 kbps
OpenVPN	Multiple clients and server can be running simultaneously, 12 encryption methods

Interface



Package Contents

