



4G/LTE Connected Routers

**4G /LTE Routers and Connectivity
with Wireless Logic**

Our connected hardware packages ensure resilient, cost effective cellular connectivity for your application requirements

Choosing the right cellular connected router for your applications.

4G/LTE Teltonika and Encore routers are packaged up with Wireless Logic's cellular connectivity, providing the most resilient and integrated solutions for your business.

Wireless Logic will help you to identify the best 4G/LTE router and 4G mobile data tariff, from either single or multi network operators, to have resilient coverage and optimised signal strength. We will tailor and pre-configure a fully cellular connected router package for your application requirements, and deliver as a "Plug and Play" solution, in which SIMs can be managed via our SIM management platform, SIMPro.

If you need technical assistance, our dedicated support team will work with you directly to help.

Your mobile router... connected, pre-configured and ready to go



Your router will arrive pre-configured, ready to plug and play with pre-installed activated SIMs.



You can manage and monitor SIMs via the SIM management platform – SIMPro.



If you need assistance, our dedicated support team are here to help.

This brochure has been designed to offer a selection of features and specifications for you to choose from and tailor accordingly.

A tailored, pre-configured 4G/LTE router package will give you:

- » Flexible, cost-effective data packages
- » Plug-and-play 4G/LTE router configured to your requirements and pre-tested
- » Resilient virtual private network for full security control
- » Full visibility and management with our SIM management platform, SIMPro
- » Single point of contact for your connected router support queries.

Connected Router Solutions

4G connectivity bundles from Wireless Logic offer a selection of features and specifications for you to tailor accordingly.

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TELTONIKA
LTE CAT4 Industrial Cellular Router



TELTONIKA
LTE CAT4 Industrial Router



TELTONIKA
LTE CAT4 Industrial Cellular Router

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TELTONIKA
new Next generation LTE CAT6 Industrial Cellular Router



TELTONIKA
new Next generation LTE CAT6 Industrial Cellular Router



TELTONIKA
LTE CAT4 Automotive Cellular Router

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encore networks™
4G LTE Broadband Router



encore networks™
4G LTE/HSPA+ Broadband Router

Management Systems

Teltonika RMS ▶ Page 20 **enCloud Enterprise Management System ▶** Page 22



TELTONIKA
Remote Management System



encore networks™
Remote Management System

Add-ons

We also offer add-ons such as **antennas** and **accessories** for your hardware and router bundles.

Please speak to us for further information.

Call us today on **0330 056 3300**
for all your connectivity and router needs.



RUT950™

LTE CAT4 Industrial Cellular Router

This router is equipped with Dual-SIM, 4 x Ethernet interfaces and WiFi. Device is designed as Main/Backup Internet source and can guarantee reliable Internet connection with high data throughput and data redundancy.

RUT950 comes with RutOS software and security features such as multiple VPN services, Firewall, Hotspot, Auto Failover, Load Balancing, SMS control and RMS support.



RUT950 Prime Applications

The Teltonika RUT950 is ideal for many applications including - CCTV, Digital Signage and many Telemetry applications.

RUT950 Features

- » LTE Cat 4 with speeds up to 150 Mbps
- » 4G Failover - Automatic switching to SIM Backup connection
- » Automatic SIM switch
- » Wireless Access Point with Hotspot functionality
- » Dual SIM for network resilience in high availability applications
- » 4 x 10/100 Ethernet ports with VLAN functionality
- » Teltonika Remote Management System compatible
- » Remote diagnostics via SMS commands
- » 3 alternative internet sources
- » Supports wide range of industrial networking protocols
- » Supports up to 100 WiFi clients
- » Connection watchdog
- » Multiple VPN options (IPSec, DMVPN, OpenVPN)
- » Embedded firewall

RUT950 Dual SIM router

The RUT950 Dual SIM router combines both 4G & 3G technology with up to 100Mbps download and 50Mbps upload in to a rugged, compact footprint. The integrated 802.11b/g/n Access Point and integrated 4-port 10/100 Ethernet Switch allows the 4G connection to be shared by wired or wireless devices. A simple to use web management GUI with first-time Setup Wizard allows this unit to be configured with ease.

The Teltonika RUT950 is supplied with two 4G stick antennas for good out of the box reception, but larger external antennas can be installed on to its SMA female antenna connectors if required.

Link Resilience with Ping Reboot

The ability for a 4G/LTE router to maintain its Internet connection is often over looked. However, this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. The Teltonika 'Ping Reboot' automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)

The RUT950 supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.

Frequency Band support	
4G (LTE-FDD)	B1, B3, B5, B7, B8, B20
4G (LTE-TDD)	B38, B40, B41
3G	B1, B5, B8
2G	B3, B8



Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
CPU	Atheros Wasp, MIPS 74Kc, 550 MHz
Memory	16 MBytes Flash, 128 MBytes DDR2 RAM
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN ports
Power supply	9 – 30 VDC, 4 pin DC connector
PoE (passive)	Passive PoE over spare pairs. Possibility to power up through LAN port, not compatible with IEEE802.3af and 802.3at standards
Inputs/Outputs	1 x Digital Input, 1 x Digital Open Collector Output on power connector
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP-SMA
SIM	2 x external SIM holders
Status LEDs	1 x bi-color connection status, 5 x connection strength, 4 x LAN status, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	100 mm x 110 mm x 50 mm
Weight	256 g

Software

Operating system	RutOS (OpenWrt based Linux OS)
SIM switch	2 SIM cards, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail
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, Load Balancing, 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

The RUT950 includes two year warranty as standard. Additional warranty available.

RUT955™

LTE CAT4 Industrial Cellular Router

Equipped with Dual-SIM, 4 x Ethernet, WiFi and RS232, RS485, USB interfaces and Inputs/Outputs.

RUT955 comes with RutOS advanced software features such as Modbus, SNMP, TR-069, NTRIP, MQTT protocol support and custom GNSS tracking protocol that is compatible with Global AVL tracking platforms



RUT955 Prime Applications

- » Digital Signage (*Relay output can be used to reboot advertising screens*)
- » CCTV
- » Telemetry applications including Modbus / SCADA
- » Energy monitoring / Smart Grid
- » Legacy RS232/485 applications

RUT955 Features

- » LTE Cat 4 with speeds up to 150 Mbps
- » Dual SIM for network resilience in high availability applications
- » GNSS positioning and Location tracking with geofencing functionality
- » 4 x 10/100 Ethernet ports with VLAN functionality
- » RS232/RS485 serial communication interfaces
- » Multiple Inputs/Outputs for remote monitoring and control
- » Teltonika Remote Management System compatible
- » Remote diagnostics via SMS commands
- » 3 alternative internet sources
- » Connection watchdog
- » All necessary physical interfaces in one device
- » Supports wide range of industrial networking protocols
- » Multiple VPN options (IPSec, DMVPN, OpenVPN)
- » Embedded Firewall

RUT955 Dual SIM 4G/LTE router with IO

The RUT955 V2 Dual SIM router combines both 4G & 3G technology with up to 100Mbps download and 50Mbps upload in to a rugged, compact footprint. The integrated 802.11b/g/n Access Point and integrated 4-port 10/100 Ethernet Switch allows the 4G connection to be shared by wired or wireless devices. A simple to use web management GUI with first-time Setup Wizard allows this unit to be configured with ease.

The Teltonika RUT955 is supplied with two 4G Magnetic mount antennas for good out of the box reception, but larger external antennas can be installed on to it's SMA female antenna connectors if required.

Link Resilience with Ping Reboot

The ability for a 4G/LTE router to maintain its' Internet connection is often over looked, but this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. Nucleus Networks worked closely with Teltonika to implement a new feature called 'Ping Reboot', where the router automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

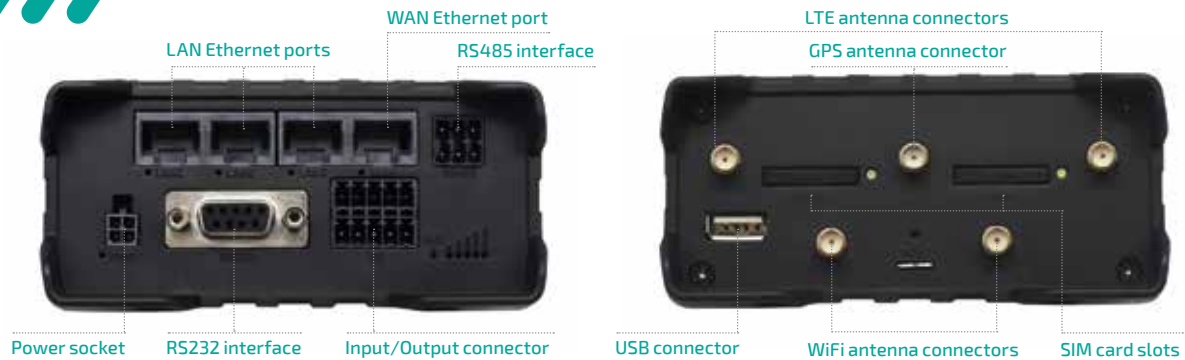
The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)

The RUT955 supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.

Frequency Band support

4G (LTE-FDD)	B1, B3, B5, B7, B8, B20
4G (LTE-TDD)	B38, B40, B41
3G	B1, B5, B8
2G	B3, B8



Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
CPU	Atheros Wasp, MIPS 74Kc, 550 MHz
Memory	16 MBytes Flash, 128 MBytes DDR2 RAM
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN ports
Power supply	9 – 30 VDC, 4 pin DC connector
PoE (passive)	Passive PoE over spare pairs. Possibility to power up through LAN port, not compatible with IEEE802.3af and 802.3at standards
Inputs	3 x Inputs (Digital, Digital galvanically isolated, Analog) + 1 Digital Input on power connector
Outputs	2 x Outputs (30 V, 250 mA digital open collector output / 24 V, 4 A SPST relay output) + 1 Digital O.C. Output on power connector
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP-SMA, 1 x GPS SMA, 1 x RS232, 1 x 6 pin RS485, 1 x 10 pin I/O, USB 2.0
Memory Card	microSD, Hinge Type slot
SIM	2 x external SIM holders
Status LEDs	1 x bi-color connection status, 5 x connection strength, 4 x LAN status, 1x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	100 mm x 110 mm x 50 mm
Weight	287 g

Software

Operating system	RutOS (OpenWrt based Linux OS)
SIM switch	2 SIM cards, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail
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, Load Balancing, 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

The RUT955 includes two year warranty as standard.
Additional warranty available.

Call us today on **0330 056 3300**

Next Router ▶ 07

RUT240™

LTE CAT4 Industrial Cellular Router

Compact, robust and powerful device tailored for Industrial M2M/IoT applications. RUT240 is equipped with 2 x Ethernet and Wireless interfaces with Hotspot functionality.

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.



RUT240 Prime Applications

The Teltonika RUT240 4G/LTE router is ideal for many applications including - CCTV, Digital Signage and many Telemetry applications.

RUT240 Features

- » LTE Cat 4 with speeds up to 150 Mbps
- » 4G Failover - Automatic switching to SIM Backup connection
- » Wireless Access Point with Hotspot functionality
- » Compact size, easy integration
- » Digital Input/Output for remote monitoring and control
- » Teltonika Remote Management System compatible
- » 2 alternative internet sources
- » Connection watchdog
- » Multiple VPN options (IPSec, OpenVPN, L2TP)
- » Remote diagnostics via SMS commands
- » Embedded firewall

Frequency Band support

4G (LTE-FDD)	B1, B3, B5, B7, B8, B20
4G (LTE-TDD)	B38, B40, B41
3G	B1, B5, B8
2G	B3, B8

RUT240 4G/LTE router with WiFi

The RUT240 supports 4G technology with up to 100Mbps download and 50Mbps upload in to a rugged, ultra compact footprint. The integrated 802.11b/g/n Access Point and integrated 2-port 10/100 Ethernet Switch allow the 4G connection to be shared by wired or wireless devices. A simple to use web management GUI with first-time Setup Wizard allows this unit to be configured with ease. The router is backwards compatible with 3G networks if no 4G coverage is available.

The Teltonika RUT240 is supplied with two 4G stick antennas, for good out of the box reception, but larger external antennas can be installed on to it's SMA female antenna connectors if required.

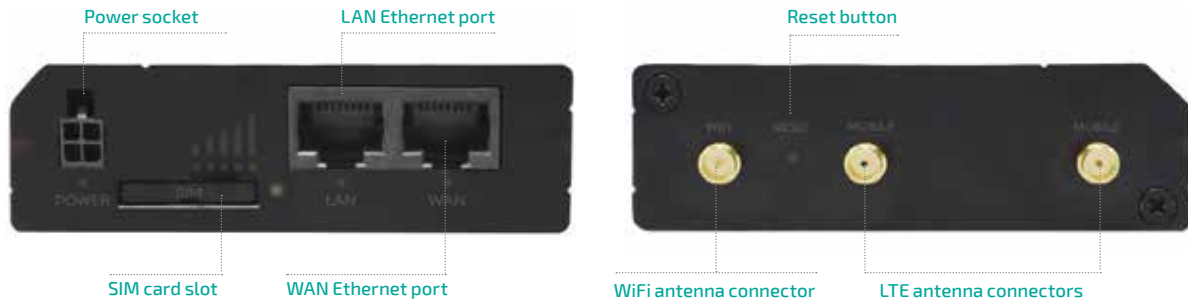
Link Resilience with Ping Reboot

The ability for a 4G/LTE router to maintain its' Internet connection is often over looked, but this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. The Teltonika 'Ping Reboot' automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)

The RUT240 4G/LTE router supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.



Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) Cat 4 DL up to 150 Mbps, UL up to 50Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
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
PoE (passive)	Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010). Possibility to power up through LAN port, not compatible with IEEE802.3af and 802.3at
Inputs/Outputs	1 x Digital Input, 1 x Digital Open Collector Output on power connector
Connectors	1 x 4 pin DC, 2 x Ethernet, 2 x Mobile SMA, 1 x WiFi RP-SMA
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

Software

Operating system	RutOS (OpenWrt based Linux OS)
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

The RUT240 includes two year warranty as standard. Additional warranty available.

RUTX11™

new Next generation LTE CAT6 Industrial Cellular Router

Our most powerful and feature-rich device, the RUTX11 is equipped with Dual-SIM, 4 x Gigabit Ethernet ports, Dual-Band AC WiFi, Bluetooth LE and USB interfaces.

RUTX11 comes with all RutOS software and security features.

This device is perfect for advanced Industrial and Enterprise applications.



RUTX11 Prime Applications

- » Office Internet - Satellite offices / branches
- » Pop-up shops and temporary Internet
- » Internet Failover / 4G backup
- » CCTV
- » Digital Signage

RUTX11 Features

- » LTE Cat 6 with speeds up to 300Mbps
- » 4 x Gigabit Ethernet ports with speeds up to 1000Mbps
- » Wave-2 802.11ac Dual Band WiFi with speeds up to 867 Mbps
- » Bluetooth low energy (LE) for short range communication
- » High processing power, Quad Core ARM Cortex A7 717 MHz CPU
- » Dual SIM for network resilience in high availability applications
- » Teltonika Remote Management System compatible
- » Connection watchdog
- » 3 alternative internet sources
- » Durable aluminium housing
- » Wide voltage range (9-50V) DC
- » External temperature range (-40 +75 °C)
- » Multiple VPN options (IPSec, DMVPN, OpenVPN)
- » Advanced firewall functionality
- » Advanced WiFi encryption

Frequency Band support

4G (LTE-FDD)	B1, B3, B5, B7, B8, B20, B28, B321
4G (LTE-TDD)	B38, B40, B41
3G	B1, B3, B5, B8
2G	Not supported

RUTX11 Dual SIM CAT6 4G/LTE router

The RUTX11 is a next generation 4G/LTE router supporting speeds up to 300Mbps download and 50Mbps upload (LTE-A CAT6). The router also supports failback to DC-HSPA+ technology with up to 42Mbps download and 5.76Mbps upload.

A Quad-core ARM Cortex A7 processor clocked at 717 MHz with 256MB RAM and 256MB flash provide excellent performance and provides ample space for customers to develop their own bespoke IoT applications to run on the router, allowing edge processing of data before transmission to Cloud-based IoT platforms. An integrated Bluetooth BLE transmitter allows Bluetooth enabled IoT sensors to be interrogated by the router, transmitting to their cloud platform via custom or built-in MQTT protocols.

The RUTX11 includes Wave-2 802.11ac Dual Band WiFi with speeds up to 867 Mbps. Dual-band WiFi operating on both 2.4 and 5GHz allows legacy devices to connect on 2.4GHz, while modern devices can operate on the faster 5GHz 802.11ac technology. The integrated 4-port 10/100/1000 Gigabit Ethernet Switch allows wire-speed failover with Gigabit leased-line primary Internet connections. Larger external 4G antennas can be installed on to the SMA female connectors if required. Please see our related products below for additional antenna options.

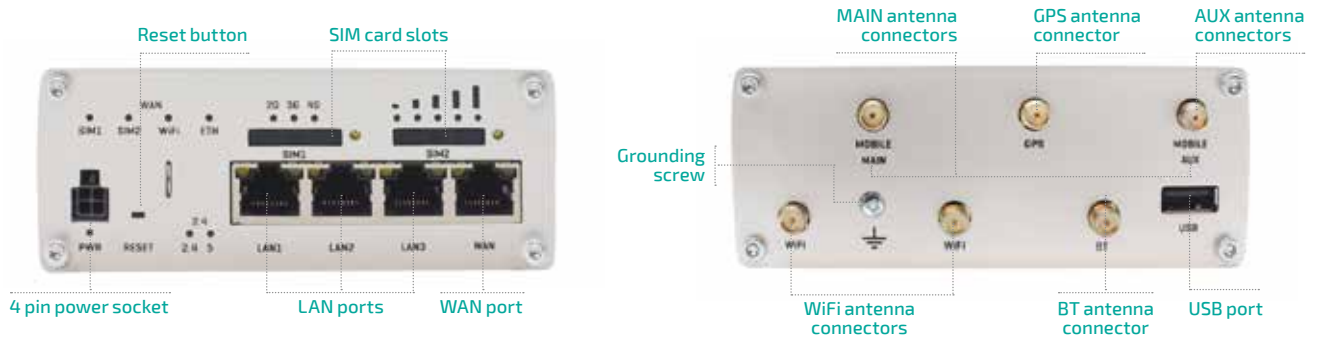
Link Resilience with Ping Reboot

The ability for a 4G/LTE router to maintain its' Internet connection is often over looked, but this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. The Teltonika 'Ping Reboot' automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)

The RUTX11 supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.



Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) – Cat 6 DL up to 300 Mbps, UL up to 50Mbps; DC-HSDPA; HSUPA; WCDMA
CPU	Quad Core ARM Cortex A7 717 MHz CPU
Memory	256 MB SPI Flash, 256 MB of DDR3 RAM
Ethernet	3 x LAN ports 10/100/1000 Mbps, 1 x WAN port (can be configured to LAN) 10/100/1000 Mbps
WiFi	802.11ac (WiFi 5) with data transmission rates up to 867 Mbps (Dual Band, MU-MIMO)
Power supply	9 – 50 VDC, 4 pin DC connector
PoE (passive)	Passive PoE. Possibility to power up through LAN port, not compatible with IEEE 802.3af and 802.3at standards
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x SMA for LTE, 2 x WiFi RP-SMA, 1 x SMA for GNSS, 1 x RP-SMA for Bluetooth
SIM	2 x external SIM holders
Status LEDs	1 x Power, 3 x Mobile connection type, 5 x Mobile connection signal strength LEDs, 2 x WiFi band, 8 x Ethernet status, 4 x WAN type LEDs
Operating temperature	-40 °C to 75 °C
Housing	Full aluminium with grounding screw
Dimensions	115 mm x 95 mm x 44 mm

Software

Operating system	RutOS (OpenWrt based Linux OS)
SIM switch	2 SIM cards, auto-switch cases: data limit, roaming, no network, network denied, data connection fail
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, SMTP, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet
Networking features	NAT, Static/Dynamic routing, Firewall, OpenVPN, IPSec, H.232 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
Unique networking features	VLAN, Mobile quota control, WEB Filter, Load Balancing, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic 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

The RUTX11 includes two year warranty as standard. Additional warranty available.

RUTX09™

new Next generation LTE CAT6 Industrial Cellular Router

This powerful LTE router is designed as Main/Backup Internet source where steady connection and high data throughput is required.

Equipped with Dual-SIM and 4 x Gigabit Ethernet ports.
RUTX09 has all advanced RutOS software and security features.



RUTX09 Prime Applications

- » Internet Failover / 4G backup
- » Satellite offices / branches
- » Layer 2 Internet

RUTX09 Features

- » LTE Cat 6 with speeds up to 300Mbps
- » 4 x Gigabit Ethernet ports with speeds up to 1000Mbps
- » High processing power, Quad Core ARM Cortex A7 717 MHz CPU
- » Dual SIM for network resilience in high availability applications
- » Teltonika Remote Management System compatible
- » Connection watchdog
- » 3 alternative internet sources
- » Durable aluminium housing
- » Wide voltage range (9-50 V)
- » External temperature range (-40 +75 °C)
- » Multiple VPN options (IPSec, DMVPN, OpenVPN)
- » Advanced firewall functionality

Frequency Band support

4G (LTE-FDD)	B1, B3, B5, B7, B8, B20, B28, B321
4G (LTE-TDD)	B38, B40, B41
3G	B1, B3, B5, B8
2G	Not supported

RUTX09 Dual SIM CAT6 4G/LTE router

The RUTX09 is a next generation 4G/LTE router supporting speeds up to 300Mbps download and 50Mbps upload (LTE-A CAT6). The router also supports failback to DC-HSPA+ technology with up to 42Mbps download and 5.76Mbps upload.

A Quad-core ARM Cortex A7 processor clocked at 717 MHz with 256MB RAM and 256MB flash provide excellent performance and provides ample space for customers to develop their own bespoke IoT applications to run on the router, allowing edge processing of data before transmission to Cloud-based IoT platforms.

The integrated 4-port 10/100/1000 Gigabit Ethernet Switch allows wire-speed failover with Gigabit leased-line primary Internet connections.

Larger external 4G antennas can be installed on to the SMA female connectors if required. Please see our related products below for additional antenna options.

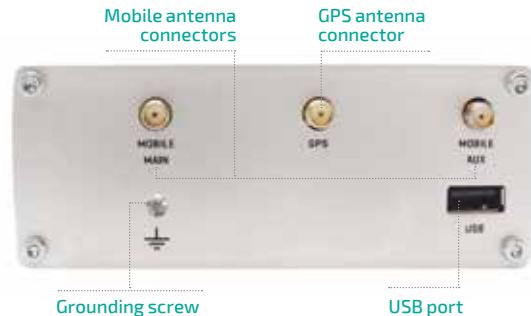
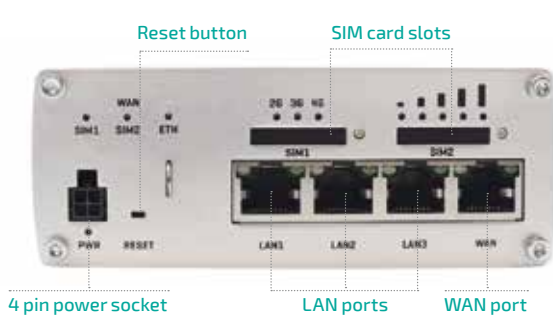
Link Resilience with Ping Reboot

The ability for a 4G/LTE router to maintain its' Internet connection is often over looked, but this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. The Teltonika 'Ping Reboot' automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)

The RUTX09 supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.



Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) – Cat 6 DL up to 300 Mbps, UL up to 50Mbps; DC-HSDPA; HSUPA; WCDMA
CPU	Quad Core ARM Cortex A7 717 MHz CPU
Memory	256 MBytes Flash, 256 MBytes DDR3 RAM
Ethernet	4 x 1Gbit Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
Power supply	9 - 50 VDC, 4 pin DC connector
PoE (passive)	Passive PoE. Possibility to power up through LAN port, not compatible with IEEE 802.3af and 802.3at standards
Connectors	1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 1 x GPS SMA
SIM	2 x external SIM holders
Status LEDs	1 x Power, 2 x SIM, 3 x Mobile network type, 5 x Signal Strength
Operating temperature	-40 °C to 75 °C
Housing	Full aluminium with grounding terminal
Dimensions	115 mm x 95 mm x 44 mm
Weight	456 g

Software

Operating system	RutOS (OpenWrt based Linux OS)
SIM switch	2 SIM cards, auto-switch cases: data limit, roaming, no network, network denied, data connection fail
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, SMTP, SSL v3, TLS, ARP, PPPoE, UPNP, SSH, Telnet
Networking features	NAT, Static/Dynamic routing, Firewall, OpenVPN, IPsec, H.232 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
Unique networking features	VLAN, Mobile quota control, WEB Filter, Load Balancing, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic 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

The RUTX09 includes two year warranty as standard. Additional warranty available.

RUT850™

LTE CAT4 Automotive Cellular Router

E-mark certified, ultra-slim router equipped with Ignition detection (sleep mode), Overvoltage Protection and Automotive FAKRA connectors.

RUT850 comes with RutOS software and security features such as Firewall, Hotspot, SMS control, RMS support and custom GNSS tracking protocol that is compatible with main Global AVL tracking platforms.



RUT850 Prime Applications

- » Internet Failover / 4G backup
- » CCTV
- » Digital Signage
- » Satellite offices / branches

RUT850 Features

- » LTE Cat 4 with speeds up to 150 Mbps
- » GNSS positioning with geofencing functionality
- » Wireless Access Point with Hotspot functionality
- » Ignition detection (sleep mode)
- » Vibration resistant FAKRA connectors
- » Teltonika Remote Management System compatible
- » E-Mark certification for Automotive market
- » Made to conserve battery power
- » Tested in the toughest environments
- » Supports up to 80 WiFi clients
- » Embedded Hotspot management
- » integrated GNSS (GPS, GLONASS)
- » Special automotive antennas
- » Easy to install
- » -40 °C to 75 °C operating temperatures

RUT850 4G Vehicle Router

The RUT850 4G Vehicle router is Teltonika's first dedicated vehicle-based router, supporting CAT4 LTE with download speeds of up to 150Mbps and uploads of 50Mbps. The router has built-in WiFi to create local WiFi in the vehicle or a Hotspot feature if you want more control over user access to the WiFi. **The RUT850 does not have any LAN ports.**

This router is purpose-designed for vehicle installation so it supports ignition input sensing, that allows the router to power on when the vehicle engine or ignition is switched on. There's also a configurable power off delay that allows the router to stay powered on for a period of time after the vehicle's engine is switched off. The RUT850 supports a wide 7-30V DC input making it suitable for 12 or 24V vehicle systems.

The RUT850 vehicle router also has the E-Mark certification making it suitable for use in passenger carrying vehicles, where this certificate is required.

Please note the RUT850 is supplied with a DC cable as standard (no AC adapter), we can also stock a cigarette lighter adapter if required.

Remote Management System (RMS)

The RUT850 4G vehicle router supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.

Frequency Band support

4G (LTE-FDD)	B1, B3, B7, B8, B20, B28A
4G (LTE-TDD)	B38, B40, B41
3G	B1, B8
2G	B3, B8



Technical Specifications

Specifications subject to change without notice

Hardware

Mobile	4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS
CPU	Atheros Wasp, MIPS 74Kc, 550 MHz
Memory	16 MBytes Flash, 64 MBytes DDR2 RAM
Power supply	9 – 30 VDC, 4 pin DC connector
Inputs/Outputs	1 x Digital Ignition detection input
Connectors	1 x 4 pin DC, 2 x Mobile FAKRA, 1 x GNSS FAKRA
SIM	1 x external SIM holder
Status LEDs	3 x connection type status, 1 x WiFi status, 5 x connection strength, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing, plastic panels
Dimensions	131 mm x 79 mm x 18 mm
Weight	115 g

Software

Operating system	RutOS (OpenWrt based Linux OS)
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
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, Load Balancing, Network Backup, Auto Failover
Connection monitoring	Ping Reboot, Periodic 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, JSON-RPC, FOTA, RMS
Supported languages	Busybox shell, Lua, C, C++
Development tools	SDK package with build environment provided

The RUT850 includes two year warranty as standard, but this can be increased up to three years if your project requires it.

EN2000™

4G LTE Broadband Router

The Encore Networks EN2000™ is a high performance low-cost broadband router designed for LTE Cellular networks.



Built for the Internet of Things, this compact IP M2M router provides license free IPsec, VPN, Firewall, Ethernet and IP interworking. The EN2000™ can service the needs of mission critical business and enterprise applications.

EN2000 Prime Applications

- » Business Continuity/Wireless Failover
- » Mobile/Remote Office
- » Primary Cellular connectivity
- » Video Surveillance
- » Kiosks
- » Remote Monitoring
- » Distributed Enterprise

EN2000 Features

- » Dual SIM
- » Supports both wireless and wired transport
- » License free, VRRP, DMNR, GRE and IPsec
- » VPN (tunnel, NAT-T, and Dead Peer Detection)
- » Dual-band 2.4/5GHz 802.11a/b/g/n WiFi
- » Two Ethernet ports, either LAN/LAN or WAN/LAN
- » Small Footprint, Low Power Consumption
- » Enhanced traffic grooming using QoS
- » Data Traffic types can be assigned to specific links, IP addresses
- » Distributed Enterprise Support for a variety of networks providing "always on" service
- » Connection watchdog

EN2000 Dual SIM with WiFi

The EN2000™ supports high-availability in fixed or portable locations by supplementing traditional broadband networks like DSL, cable, or MPLS/Ethernet with a high-speed LTE connection. When programmed for failover, the EN2000™ detects hardware network failures and seamlessly switches to LTE as programmed, keeping the network online. With standards based VRRP, the EN2000™ can support automatic failover and failback when the original connection comes back online. The EN2000™ M2M router provides multiple VPN tunnels and VLAN support as well as VRRP with no additional licensing fees. It can also be set up to broadcast traffic to multiple operation centers using traffic shaping ensuring maximum performance, while also reporting alarms to a NOC.

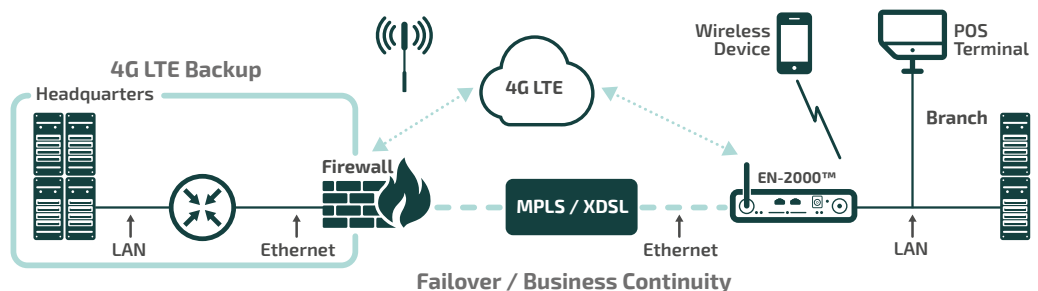
The EN2000™ can also operate as a stand-alone cellular solution to support a branch office or location. With the high speeds offered by cellular LTE networks normal business can be conducted without terrestrial connections. This makes the EN2000™ an ideal choice for new construction, temporary branch offices or primary internet while awaiting terrestrial installation. The EN2000™ can be enabled with optional WiFi which can be used to further enhance the local network.

Exceptional features at a reasonable price

The EN™ series of cellular routers provides powerful features at a value price. The EN2000™ is the flagship of this series and offers exceptional value. All the EN™ series routers come with a three-year hardware warranty, an intuitive GUI interface, built in Firewall, VPN support and advanced IP features including DMNR, GRE, and IPsec.

In addition, all of the EN™ Series routers can be monitored and managed with Encore's enterprise management system enCloud™. enCloud™ offers many features that will make managing your entire network of EN™ Series routers easier, including Cellular data limit enforcement for individual devices and group data plans, included firmware updates, no touch deployment for new hardware, and reseller and customer tiers to assist in delivering managed network services for multiple customers.

Cloud Management available with enCloud™ Enterprise Management System



Technical Specifications

Specifications subject to change without notice

General features	Broadband Router Secure VPN router QoS enforcement to prioritize critical traffic	
Security appliance features	Stateful inspection layer 4 firewall, NAT, NAT Port Forward HTTPS-SSL SSH (Secure Shell) IPsec with AES 256 and 3DES 4 tunnels max	Dead Peer Detection plus NAT Traversal Generic Router Encapsulation GRE (RFC 1701) Internet Key Exchange - IKE V1, V2 OpenVPN
IP transport protocols	Static routing DHCP client/server IP QoS and traffic prioritization IP fragmentation/reassembly IP routing over VPN; TCP and UDP	IPv6 Support Virtual Redundant Routing Protocol (VRRP) Asynchronous PPP DMNR PPPoE
Cellular	LTE CAT 4, Bands: 800/900/1800/2100/2600 MHz GSM TECHNOLOGY/BANDS UMTS/HSPA Triple-band 900/1900/2100 MHz EDGE/GPRS Dual-band 900/1800 MHz	
WiFi	Support for 2.4 and 5 GHz Autoselect between 802.11a/b/g/n WEP or WPA-PSK encryption WiFi Hotspot	
Physical features	LEDs for cell module, system status, network status, and power LEDs for LAN/WAN and Cellular signal strength indication One 10/100 Mbit/s Ethernet RJ-45 (WAN/LAN) - WAN is factory default One 10/100 Mbit/s Ethernet RJ-45 (LAN) Reset Switch	Two SMA antenna connections for embedded internal cellular radio Two SMA antenna connections for detachable WiFi antennas Two Accessible SIM Slots Power Input Optional DIN Rail Clip
Management	enCloud™ Device Management System GUI Web Management SSH (Secure Shell) SNMPv3 manageability HTTP/HTTPS - web access interface Telnet Syslog	
Mechanical	Height: 1.6 inches/40 mm Width: 5.7 inches/145 mm Depth: 4 inches/100 mm Weight: 1 lb. (0.45 kg)	
Environmental	Operating: -20 C to +65 C (Extended Temperature Commercial) Operating: -30 C to +75 C (Hardened version with metal case) Storage: -40 C to +85 C Humidity: 5% to 95%, non-condensing	
Standards compliance	RoHS Compliant CE Compliant EMC, FCC Part 15, EN 55011/CISPR II enCloud™ Device Management System 100 - 240VAC Autoranging, 47-63Hz Power Supply (12V input) Power Consumption - 3.5 watts nominal, 7 watts transmitting	
Product safety	UL/CSA 60950-1, EN 60950-1 CAN/CSA-C22.2 No. 60950-1-03	
Product codes	NUC-EN2000-DS-WIFI Description: Encore EN-2000 Dual SIM 4G Router inc WiFi NUC-EN2000-DS-WIFI-H Description: Encore EN-2000 Dual SIM 4G Router inc WiFi (Hardened)	

The EN2000 includes a three year warranty as standard.

EN4000™

4G LTE/HSPA+ Broadband Router

The EN4000™ is a hardened LTE edge router designed for utilities.



A modular design can be customized for a wide range of applications and services. It adds speed, capacity, and flexibility to the EN™ series of cellular enabled routers.

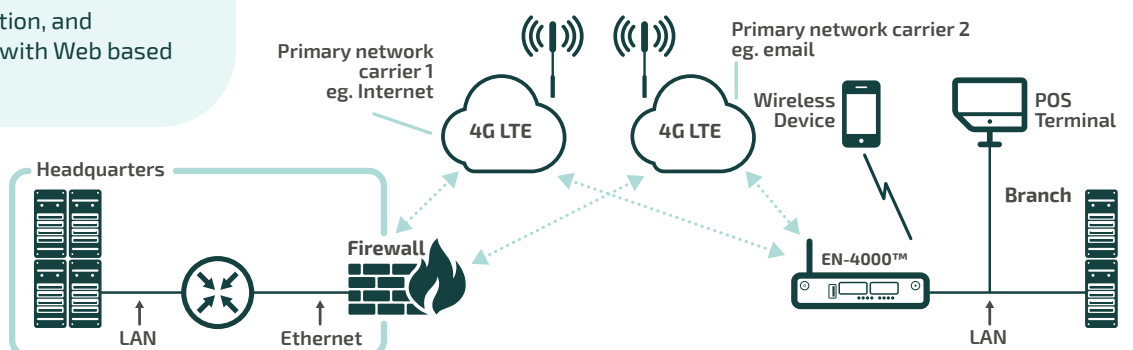
EN4000 Prime Applications

- » SCADA
- » Power Grid Monitoring
- » Substation
- » PLC
- » RTU
- » Line Reclosure
- » Capacitor Bank
- » Switch Gear
- » Video Surveillance
- » Legacy Data to IP conversion

EN4000 Features

- » Dual wireless carrier support for 4G LTE and HSPA+
- » Industrial-hardened, with optional redundant power sources: AC, DC, or Power over Ethernet (Standard AC PSU)
- » Provides service over any port, any network at anytime IP/MPLS, Cellular 3G, 4G LTE, 802.11 WiFi, Frame Relay, circuit switched, T-1, Serial, Ethernet, optical fiber, analog modem
- » Business Continuity
- » Automatic Failover with traffic load sharing between wireline and wireless links
- » Embedded 802.11b,g,n Wi-Fi
- » VPN IP Security (IPSec) AES 256 and 3DES, SSL/TLS and SSH
- » Selective Layer Encryption (Patented) for satellite VPN optimization
- » Operation, Administration, and Management (OA&M) with Web based GUI management

Load-balanced Rapid Deployment Internet Dual module with dual concurrent 4G network connections (e.g. Vodafone and EE)



EN4000 Dual Module with WiFi

The EN-4000™ router family adds speed, capacity, and flexibility to the Encore Networks' series of wireline/wireless routers. This compact IP + Legacy router is designed for commercial and industrial environments and a wide range of operating temperatures, the all-metal enclosure resists dust, moisture, and electromagnetic interference (EMI). The single-box solution provides Internet Protocol (IP), VPN, Firewall, Ethernet Switching, and Legacy Protocol to IP interworking.

The EN-4000™ supports a wide range of services and applications used for M2M, SCADA, Smart Grid, and Enterprise applications. The base configuration contains one or two cellular modules, an 802.11 Wi-Fi module, and five Ethernet ports. Three expansion slots, two in the front and one internal, accept optional hardware modules. Expansion slots enhance flexibility and let the EN-4000™ router adapt easily to specific user needs by adding additional Ethernet ports (up to nine total), dual 3G and 4G cellular modules, encryption hardware, DSP, T-1/E-1 CSU interfaces, fiber optical links, 802.11 Wi-Fi, a dial modem with an FXS analog telephone interface, and serial data ports.

The EN-4000™ router supports multiple ports and high-speed network connections, performing routing and switching of network packets, and Layer 4 Firewall with enhanced cyber and physical security measures. The internal Ethernet switch, in addition to routing features, allows the EN-4000™ router to assign ports to different networks (wired or wireless) and functions (SCADA vs. video for example). Multiple WAN connections load share or apply enhanced traffic grooming using QoS and CoS traffic types assigned to specific links. Upon a link failure, traffic moves automatically to a working link or to a new connection as programmed.



Technical Specifications

Specifications subject to change without notice

General features

- Protocol management and translation of legacy industry serial protocols
- SNMPv3
- SSH, Telnet, and web access interface
- SNMPv3 manageability (monitor and configure)
- Access for control via SSH, Telnet, and web access interface
- Up to four antennas - 3G/4G LTE cellular, 802.11 Wi-Fi, and GPS services.
- Three slots for optional interface modules
- Configuration servers to manage and update routers centrally
- Disaster Recovery and Traffic Load Sharing over WAN connections
- QoS enforcement to prioritize critical traffic
- Redundant power sources

Security appliance features

- Stateful inspection firewall
- IEEE 802.11i (WPA2, RSN)
- DMZ LAN port
- NAT (Network Address Translation)
- SSL/TLS1
- SSH (Secure Shell)
- IP Sec (RFC 2401) with AES 256 and 3DES
- Generic Router Encapsulation GRE (RFC 1701)
- Internet Key Exchange--IKE (RFC-2409)
- RADIUS authentication

Transport protocols

WAN

- IP over Ethernet (compatible with MPLS services)
- Frame Relay (RFC-1490, IP over FR)
- T-1 or E-1 CSU, full or fractional
- Asynchronous PPP
- Synchronous PPP
- X.25
- MLPPP
- PPPoE
- Selective Layer Encryption (SLE) for VPN Optimization (patented)

IP

- IP Versions 4 and 6
- IP Routing (RIP v1/v2), OSPF, BGP, or static routing
- DHCP client/server/BootP/Relay
- IP QoS and traffic prioritization
- IP fragmentation/reassembly
- IP routing over VPN; TCP and UDP
- 802.1q VLAN tagging
- Virtual Redundant Routing Protocol (VRRP) between two routers
- Dead Peer Detection

Serial data support

- Up to 4 serial ports supporting V.35, EIA/TIA RS-485, RS-232, RS-422
- Legacy Protocol support for DNP3, IEC 60870-5-101/103/104 MODBUS, CDC, S/NET, CONITEL, ABB, X.25, ALC, and most industry proprietary protocols.
- Inquire about additional protocols.

Part code

NUC-EN4000-DM-WIFI

Description: Encore-4000 Dual SIM, Dual Module 4G Router inc WiFi

The EN4000 includes a three year warranty as standard.

Teltonika RMS

Remote Management System

Teltonika Remote Management System (RMS) is a centralised online platform for connecting all Teltonika networking products.

RMS offers unified access, monitoring and control capabilities, which saves time and allows you to oversee your whole networking fleet.



RMS Key Benefits

- » Unified control
- » Remote access to non Teltonika devices
- » Realtime alert system
- » Activity reports
- » Hotspot tracking service
- » Firmware/Backup updates
- » GPS history
- » Statistics display charts
- » Remote monitoring

RMS Features

- » Uses securely encrypted OpenVPN connection between Teltonika devices and RMS
- » Accessible from any PC, laptop, tablet or smartphone without additional application
- » Monitoring and management from any Web browser
- » Download event logs and troubleshoots from multiple devices with a single click
- » Possibility to create your own virtual clients and distribute devices to them
- » Upload configuration to several devices simultaneously
- » Update firmware of multiple devices with a single click
- » FOTA server
- » Customizable device list screen
- » Alerts from devices and RMS system

Teltonika RMS

Teltonika Remote Management System (RMS) allows you to conveniently manage and monitor your Teltonika routers and gateways, which include all RUT and TRB devices.

Remote Management

If your Teltonika device is on RMS, it can be used to generate remote access links to equipment that is connected to a private router network thus granting remote access to other equipment, including devices that aren't manufactured by Teltonika.

Security

Teltonika has always been at the top when it comes to security solutions. Our dedicated RnD team is constantly working to ensure that our products meet highest industrial safety standards. RMS has received CIS v7 and OWASP II Certifications, ensuring that our centralized Cloud-based platform and all the data that is stored is exceptionally secure.

Maintenance and Diagnostics

With RMS intuitive interface you can easily perform your network ecosystem diagnostics. Set up a custom report system that contains information on specific device parameters. All generated reports are stored in RMS servers and can be downloaded at any point in time for future analysis.



Technical Specifications

Specifications subject to change without notice

Connection with server	MQTT protocol (with SSL certificates); VPN
Static device parameters	IMEI, model, manufacturer, hardware version, IMSI, product code, batch number, modem revision
Dynamic device parameters	SIM state, PIN state, net state, signal (-dBm), operator, operator number, connection state, mobile connection type, temperature, sent bytes (of both SIM cards, if available), received bytes (of both SIM cards, if available), firmware version, current SIM slot, router uptime, mobile IP, WAN state, WAN IP, cell ID, MCC, MNC, LAC, ICCID, RSCP, ECIO, RSRP, SINR, RSRQ
Hotspot parameters	Hotspot SSID, hotspot status (enabled/disabled), hotspot IP, total downloaded data, total uploaded data, users, active users, active user MAC, active user IP, active user start time, active user end time, active user use time, user downloaded data, user uploaded data, hotspot download limit, hotspot upload limit
GPS parameters	Status, latitude, longitude, fix time, GPS date/time, altitude, speed, satellite count, course, accuracy
Input/output parameters	Digital input, digital isolated input, analog input, digital OC output, digital relay output
Security	OWASP II, Cis v7
Proxy	Webui, CLI, HTTP(HTTPS) Non-teltonika device
Cloud	Amazon Web Service
Eligible devices	RUT230, RUT240, RUT850, RUT900, RUT950, RUT955, RUTX08, RUTX09, TRB140, TRB142, TRB145
Creatable alerts	Signal strength, SIM switch, device status change (online/offline), mobile data (connected/disconnected), GPS geofencing
Update types	Firmware update, configuration upload
Report types	Manual one time reports (day, week, month), periodic reports (daily, weekly, monthly)
Available downloads	Device configuration, event logs, troubleshoot file, CSV file of currently visible devices, generated reports, uploaded firmware files, uploaded configuration files

Enterprise Management System

Monitor and Manage EN™ Series Routers

enCloud™ Key Benefits

- » Monitor and Manage EN™ Series Routers
- » Scalable for VARs and MSPs with several customers and Users
- » Track cellular usage on individual, shared and pooled data plans
- » Restrict or Throttle data speeds to prevent overages
- » No touch deployment for new devices
- » One touch redeployment of configurations
- » Advanced Rules engine
- » API for integration with enterprise applications
- » Automated device tasks
- » Configurable Event thresholds for key performance metrics
- » Self-Clearing Alerts
- » Router Firmware updates included

enCloud

The enCloud™ Enterprise Management System allow users of EN™ Series routers to remotely monitor and manage their installed base of EN™ routers. enCloud™ displays key information reflecting the current status of EN™ routers and provides tools to deploy configurations and firmware updates.

Manage Multiple deployments

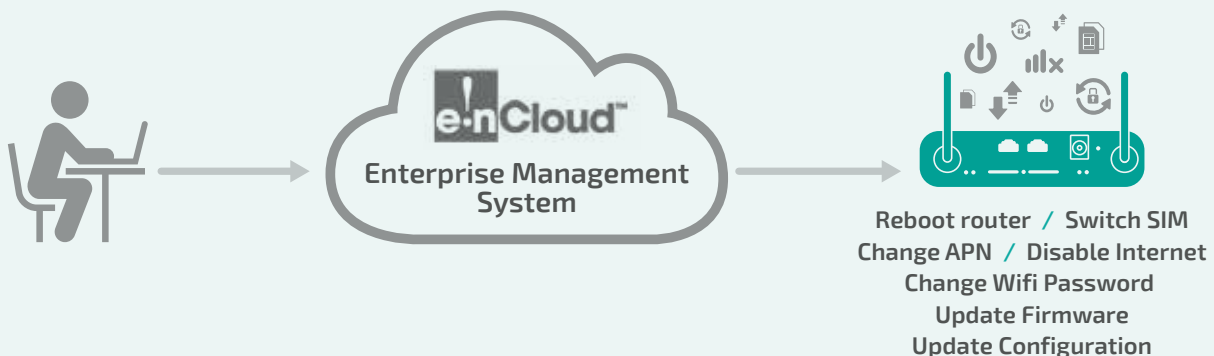
enCloud™ is an ideal tool for Value Added Resellers (VARs) and managed service providers (MSPs). The hierarchical design allows devices and permissions to be assigned at different levels. One VAR can manage the devices of several customers all in one place while keeping one customer's data separate from another's. Users can be assigned to a VAR, a customer or a deployment group within a customer in order to accommodate different roles and responsibilities.

Automated Monitoring

Device data is updated regularly as routers communicate with enCloud™. The status of individual devices or entire deployment groups can be viewed with simple and customizable dashboards. Using the advanced rules engine, enCloud™ can be configured to automatically react to concerning device conditions with automated notifications and alerts. Rules can also trigger remedying actions on the device including rebooting the device, turning off or throttling data ports, or sending new configurations.

Manage Data Usage

Device data is updated regularly as routers communicate with enCloud™. enCloud™ has the ability to track and manage the individual data usage of EN™ Series routers but is also capable of managing groups of routers on shared or pooled data plans. This enables users to see which devices are using more than their fair share of data within a group and deploy solutions to throttle or disable data access protecting from large data overages.





Software and Configuration Updates

Keeping devices up-to-date is easy with enCloud™. The most recent software releases for each hardware model are stored within enCloud™ and can be pushed to individual routers, or entire deployment groups on a schedule or on demand. Router configurations can be deployed in the same way, making it possible to ensure consistent configurations across deployment groups. By using the automated device deployment settings new devices can be automatically configured the first time they check into enCloud™. Allowing for rapid deployment of new devices without user intervention.

Effortless Deployments

The enCloud™ supports no touch deployment of new routers through the use of our automated device deployment settings. When devices come online

for the first time they are automatically configured with the latest firmware and the configuration presets of your choice. All of the units in a deployment group can be reconfigured with a single click using the group configuration tasks. The status of all the devices within a deployment group are displayed on convenient dashboards.

Reporting and APIs

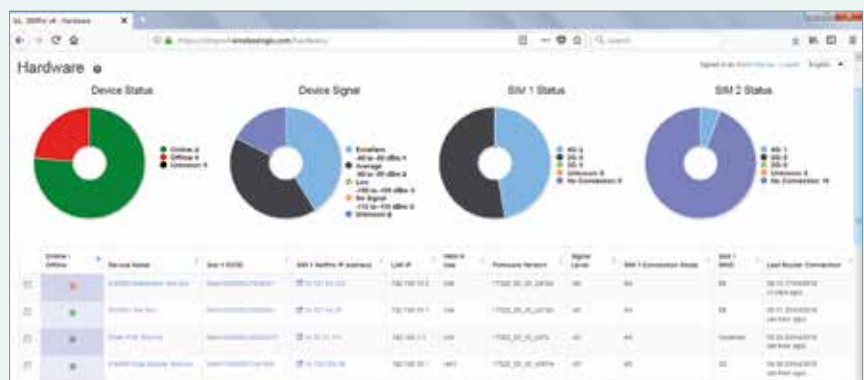
enCloud™ has a number of reporting options that cover device uptime, sensor status, signal strength levels as well as interface status. Additionally, enCloud™ has an open API platform that can be accessed to pull device data from enCloud™ into other enterprise applications.

Online	Tier 3 (Group)	Name	Last Seen	Profile	Reported Firmware	cell.signal_strength	cell.mode	cell.ip	cell.operator	Actions
✓	API Test UC 1	EH4K POE Test box	4 minutes ago	EH4000	17322_06_02_00Hiv	-73	E-UTRAN(LTE)	10.76.96.24	O2 - UK	Actions
✗	API Test UC 1	EH2000 Automotive Test box	3 days ago	EN2000DS	17322_05_00_247Zw	-86	E-UTRAN(LTE)	10.127.64.225	EE	Actions
✓	API Test UC 1	EN2000 Test Box	A few seconds ago	EH2000DS	17322_05_00_247Zw	-65	E-UTRAN(LTE)	10.127.64.25	EE	Actions
✓	API Test UC 1	EH4000 Dual Module Test box	3 minutes ago	EH4000	17322_05_00_450Hw	-83	E-UTRAN(LTE)	10.135.209.29	EE	Actions
✗	API Test UC 1	EH2000 Firmware Test Box	5 months ago	EN2000	17322_05_00_247Lp1	-88	E-UTRAN(LTE)	10.127.64.227	EE	Actions

SIMPro Integration

enCloud™ has been integrated with the SIMPro platform so that key router data and SIM data can be displayed on one page providing a central overview of your router and SIM estate. Some of the parameters that can be monitored are:

- » Router name
- » Last router contact date & time
- » Signal level
- » Network bearer (3G or 4G)
- » SIM IP address
- » SIM Number
- » Router LAN IP address
- » Router Eth WAN IP address
- » WAN in use (Cell or Ethernet WAN)
- » Firmware version installed



Specifications subject to change without notice

If you have any queries or would like to book a meeting and have support from one of the **Wireless Logic Partner Channel Team**, please call us on **0330 056 3300**



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