

# Encore EN™ Series Router Firmware Release notes

## Firmware Series 246 for Single SIM Devices

### Supported devices:

- EN400
- EN1000
- EN2000

### Feature Enhancements:

1. Added support for OpenVPN
2. Added support for Dynamic DNS (DDNS)
3. Added WiFi HotSpot capability requiring a login or registration to make use of Wifi
4. Selective Backup - Enhanced our Config backup process to enable the user to generate configuration files that contain only selected Items on both on device GUI and enCloud™
5. LTE Band Selection – Option to choose a specific LTE band on Verizon Wireless modules. This allows users to manually choose a less congested band even if the signal strength is weaker. NOTE: Not Available on EN400 devices
6. OneTalk One-click config – Specific settings added to quick start to support Verizon Wireless OneTalk offering. Note: Only available on Verizon Wireless EN1000/2000 SKUs
7. Support for hardware board variants of EN1000 and EN2000 SKUs
8. Added IP data usage counts to the status page of the Device GUI
9. Added support for new cellular modules from Asia Telco for Verizon Wireless, Telit NA V2 for AT&T, T-Mobile and other North American GSM based LTE Carriers
10. Added additional cellular status parameters to the device GUI and enCloud™ (ex. RSRP, RSRQ, PCI, EARFCN)
11. Device support for new enCloud™ task codes
12. enCloud™ Task Response Codes added with more detailed task completion messages
13. Added support for Site to Site IPSEC VPN with certificate (PKCS12) based authentication
14. Ability to throttle cellular connection speeds from the device GUI as well as enCloud™
15. Added “Hot Standby” a cellular toll saver configuration parameter to keep the cellular interface up all the time (if disabled) or bring up only as needed when primary WAN is down (if enabled).

### Bug Fixes

1. Fixed a bug causing inflated data usage counts for EN2000 routers using Telit LE 910 NA V2 and EU V2 modules
2. Fixed a bug causing firmware upgrades to fail on EN2000 routers using Telit LE 910 NA V2 and EU V2 modules
3. Added patch for WiFi KRACK vulnerability
4. Optimized QoS Defaults for each interface type

5. Cell MTU default changed to 1360 from 1500 as 1500 was causing issues with some modules
6. Improved failover logic with commonly used parameters
7. Corrected an error where the service watchdog ping generated more pings than intended if the first octet of Ping IP is 128 or greater

## Firmware Series 248 for Dual SIM Devices

Supported Devices:

- EN2000 Dual SIM

248 includes all of the above 246 features and bug fixes as well as the following items specific to the EN2000 Dual SIM. 248 firmware is based on 246 firmware but has been released separately to support Dual SIM devices. Dual SIM firmware will be its own series going forward.

New features:

1. Added device GUI support to configure SIM Switching rules
2. Support for new enCloud™ Dual SIM profile EN2000DS
3. Added SIM Switch Reason and other dual SIM related status parameters in the GUI and in enCloud™.
4. Dual SIM specific task codes have been created in enCloud™ and are supported on the Dual SIM EN2000