

Portable Cellular Range GSM and CDMA Towers in an Instant

Key Features

- Portable
- Compact
- MSC/BSC/BTS
- SDR-based
- Offered in several bands: 450, 800, 900, 1800, and 1900 MHz
- Optional Digital capabilities: GPRS, EDGE and PDSN
- Cellular Network Analysis for both GSM/GPRS/EDGE, and CDMA systems simultaneously
- 4 TRX capability

A new addition to TriaSys' test network offerings, the CellNow system is an ideal portable compact cellular system with full commercial BSC and BTS capabilities and option for true wireless system testing. The small footprint makes the system ideal for rapid deployment and portability. The optional microMSC is ideal for testing and the optional backhaul connectivity over SS7 for true MSC connectivity. The system supports both GSM and CDMA with digital options for GPRS, EDGE and PDSN. The system is made up of an RF head that supports up to 4 TRX's, and multiple heads can be deployed within a CellNow system.

CellNow also has a console that runs the BTS/BSC and optional MSC in a 100% software radio system that supports both CDMA and GSM protocols. This true software-defined radio approach to the system allows for future growth and signal updates without costly hardware revisions or addition. The system runs on a open Linux operating system with standard Linux tools at the operator's disposal to navigate through log files and system setup. The user interface is 100% HTML and can be access via the console or over any IP network connected to the console.



CellNow RF Head

CellNow Console



Specifications

RF Head

Cell Tuner(s)

Bandwidth	26 MHz
Tuning Res.	100kHz
Tuning Speed	500msec

CellNow Console

Power	110/220 VAC
	400W max

Linux Operating System

PCI backplane

Dual QuadCore	2.2GHz
Weight	7 kg (15 lbs)
Operating	0-45 deg. C
	20-90% hum.
	1.0 Grms
	10 G Shock

CellNow Features

- Coverage of any standard cellular band
450/850/900/1800/1900 MHz
- Timing GPS receiver
- Up to 4 TRXs
- CDMA and GSM
- Multiple Tower options
- 30 dBm output power
- Complete Graphical UI over HTML for local or remote control

To Inquire or Order

For a demonstration, further information, or to contact a representative, please call 1.978.244.1060, or visit our website at www.triasys.us.

CellNow Features

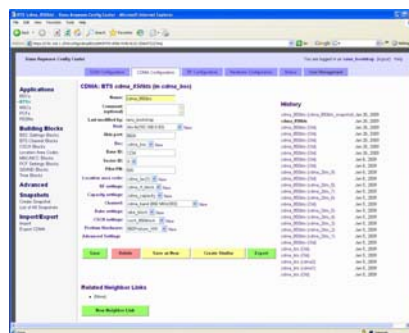
GSM Beacon

The CellNow system can create a GSM beacon with full control of the BCCH and SSCH with frequency hopping (up to 3 hopping channels per CellNow RF head). The system is timed by GPS on each head to support tower handover.



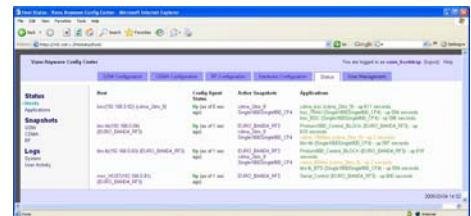
CDMA Pilot

The CellNow system supports the CDMA signal protocol. Full pilot control with access to all paging options. The pilot controls 32 offsets and can support up to 16 phones per channel with 4 channels per CellNow head.



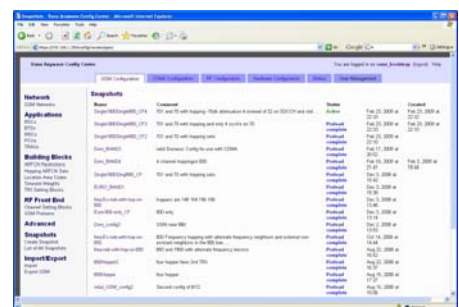
System Monitoring

The CellNow system has full system monitoring along with full L3 message logging kept on a weekly rotational log basis.



Scenario Recall

CellNow system keeps a history of all changes and updates to scenario's controlled by user access accounts. This insures traceability to test setup. The scenario recall is infinite and only limited by disk storage. This allows for rapid system setup and reconfiguration with little knowledge of system details once test scenario's have been verified.



Ordering Information

- CN1000-xxxx - CellNow system (specify band)
- CN1001-xxxx - Additional Head (specify band)