

UMTS-iSON Datasheet

Contact:

20 Truman
Irvine, CA 92620
info@cellonyx.com
http://cellonyx.com

Product:

3G UMTS-iSON

Challenge:

Cellular infrastructure congestion is a major factor contributing to revenue loss of mobile operators. A cluster of UMTS cellular towers providing coverage in a typical urban area is subject to congestion and connection blocking during peak hours of operation and special events. Annual revenue losses associated with congestion in a typical urban area exceed hundreds of thousands of dollars.

Solution:

UMTS-iSON increases voice and data capacity of cellular infrastructure by eliminating congestion as the result of applying real-time quality constrained load balancing of cellular infrastructure. As a result, infrastructure can operate at maximum efficiency thereby offering the best return of investment to infrastructure owner.

Value Proposition:

UMTS-iSON minimizes the congestion of cellular towers utilizing UMTS technology in large, mid-size, and small metropolitan areas. It is a low-cost alternative to expensive long-lead time solutions currently available. CellOnyx patent pending technology utilizes cellular analytics and advance optimization frameworks aimed at collectively minimizing the congestion of a cluster of cellular towers.

Features:

- Cost-effective,
- Portable software-only solution
- Easy-to-adopt:
stand-alone or SON-integrated
- Short adoption cycle – in the order of days
- Dynamically adjustable
- Load-dependent capacity improvements

Configurations:

- UC-1000: Scalable to a cluster of 10 cellular towers
- UC-2000: Scalable to a cluster of 30 cellular towers
- UC-3000: Scalable to a cluster of 60 cellular towers
- UC-ENT: Scalable to multiple clusters of cellular towers