

MovingMedia® 2000 iCell Macro

1X and EVDO IP RAN

MACRO RAN FOR CDMA2000 1X and EVDO NETWORKS

THE UTSTARCOM MOVINGMEDIA® 2000 iCELL MACRO 1X and EVDO IP RAN ENABLES UBIQUITOUS WIDE-AREA COVERAGE VIA COST-EFFECTIVE IP NETWORKS



- **LEVERAGES LOW-COST IP NETWORKS**
- **MODULAR SYSTEM SIMPLIFIES MAINTENANCE AND ELIMINATES FAILURE POINTS**
- **SCALABLE SOLUTION SUPPORTING ONE TO FOUR CARRIERS**
- **SUPPORTS CDMA2000 EVDO REV-0, EVDO REV-A 1X REV-0**

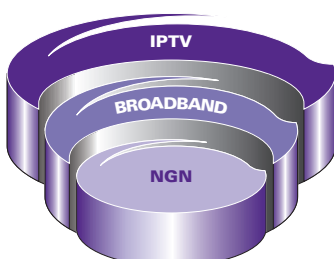
The UTStarcom MovingMedia® 2000 iCell Macro IP RAN provides cost-effective IP-based coverage for CDMA2000 third-generation (3G) wireless networks. Designed for use with UTStarcom's MovingMedia 2000 product suite, this full-featured base transceiver station (BTS) is suitable for deployment in urban, suburban and rural environments. Due to its distributed architecture, the BTS eliminates the need to carry traffic to a central Base Station Controller (BSC) or Radio Node Controller (RNC). This enables wireless operators to save on backhaul costs and reduce operational complexity. As a result, operators can expand into new areas at minimal capital costs and serve customers in locations where it was previously economically unfeasible.

SIMPLIFIED MAINTAINENCE

The iCell is much easier to maintain than competitive solutions. This powerful system utilizes a single 1U rack-mounted 3 sector BTS unit per carrier channel, minimizing deployment, maintenance and replacement time. By contrast, other alternative solutions require multiple interface cards, increasing potential failure points and complicating configuration and ongoing maintenance.

MODULAR DESIGN

The system supports up to four carriers with three sectors in a compact 19-inch rack mounted chassis. Its modular, flexible design enables wireless operators to start small with a single carrier and add capacity as network and subscriber demand grows. The cabinet supports any combination of 1X and DO carrier channels up to 4 carriers.



Technical Specifications



HARDWARE

- Dimensions: 19" Rack (78.7 in H x 25.8 in W x 39.4 in D)
- Power: -48 VDC

CAPACITY

- Configurations: Omni, two sector and three sector
- Power Output: 20 W per carrier per sector at antenna port
- Multi-Carrier Support: Up to four carriers/three sectors per cabinet
- Pooled channel elements: 192 per carrier for both 1X and DO carriers
- Packet data rate: 3.1 Mbps Fwd/1.8 Mbps Rev Peak Burst with Diversity

BAND SUPPORT

- Band Class 0: Tx: 869–894 MHz, Rx: 824–849 MHz
- Band Class 1: Tx: 1930–1990 MHz, Rx: 1850–1910 MHz
- Band Class 5 Block A: Tx: 462.5–467.5 MHz, Rx: 452.5–457.5 MHz

HARDWARE INTERFACES

- Two antenna connectors per sector
- Antenna Connectors: 7/16 DIN (female)
- Ethernet: 100BASE-T (RJ-45)

- ALARM UNIT INTERFACE
- SNMP v2c
- 16 External customer alarm points
- ENVIRONMENTAL
- Temperature: 23° to 122°F (–5° to 40°C) operating
- Humidity: 5 to 95% non-condensing

COMPLIANCE AND SAFETY

- FCC Part 15 Class A
- FCC Part 22 or 24 (as applicable)
- IS-97
- UL60950-1
- cUL

PROTOCOL SUPPORT

- Core Network: IP
- Voice traffic: RTP/IP
- Signaling: IOS/IP
- Packet data: GRE/IP

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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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WS-DS-0333-MACROEVDOIPRAN-0308