

# MovingMedia® 2000 iCell® PICO EVDO Rev-A IP RAN

WALL MOUNT PICO iCELL FOR CDMA 2000 EVDO NETWORKS

THE UTSTARCOM MOVINGMEDIA 2000 iCELL PICO EVDO IP RAN  
ENABLES SEAMLESS INDOOR WIRELESS COVERAGE VIA  
COST-EFFECTIVE IP NETWORKS



- **ENABLES CAMPUS-WIDE INDOOR WIRELESS COVERAGE**
- **LEVERAGES LOW-COST IP NETWORKS**
- **FEATURES A COMPACT DESIGN FOR EASY DEPLOYMENT VIRTUALLY ANYWHERE ON CAMPUS**
- **SUPPORTS CDMA2000 EVDO REV-0 EVDO REV-A**

The UTStarcom MovingMedia 2000 iCell Pico EVDO IP RAN provides a high-performance, cost-effective solution for operators seeking to offer indoor campus-wide wireless roaming. Designed for use with UTStarcom's comprehensive MovingMedia 2000 product suite for CDMA2000 third-generation (3G)-based wireless networks, this powerful base transceiver station (BTS) can leverage flexible, low-cost IP networks, enabling operators to offer a single handset solution to corporate customers.

## ENHANCES WIRELESS COVERAGE

With the Pico EVDO IP RAN, an operator can enable wireless service in campus locations previously without coverage, while providing seamless handoffs to currently served areas. This provides the enterprise with a wide variety of benefits, including increased productivity and response time, leading to improved customer service and profitability.

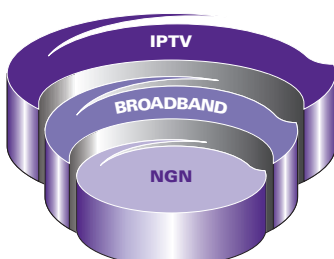
Other applications enabled by the PICO IP EVDO RAN include in-flight communications and disaster recovery situations.

## COMPACT DESIGN

Featuring a sleek, compact design, the Pico EVDO IP RAN delivers high capacity in a small form factor. Due to its small size, the Pico EVDO IP RAN can be mounted practically anywhere in a campus location – on a wall, shelf, even hidden in the ceiling.

## POWERFUL FEATURES

Each Pico unit consists of an integrated circuit board with one CSM6800 base band processor and a radio frequency (RF) board, which supports Tx/Rx-main and Rx diversity antenna connectors. The PICO unit supports up to 1 carrier, 3 sectors with 100mW per sector.



# Technical Specifications



## CAPACITY

- Configurations: Omni, two sector and three sector
- Up to 192 channel elements (pooled over three sectors)
- Up to 100 mW output power per sector
- 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 Blocks A:Tx: 462.5-467.5 MHz, Rx: 452.5-457.5 MHz

## INTERFACES

- RF Connections: Main antenna (SMA-F), diversity antenna (SMA-F)
- Ethernet: 100BASE-T (RF-45)
- Timing: LVDS PP1S input (RJ-45 shared with Ethernet)

## HARDWARE

- Dimensions: 1.75in (H) x 19in (W) 25in (D) for rack-mount unit (1U)  
10in (H) x 12.5in (W) x 7.5in (D) for wall-mount unit.
- Input Power: 70 W, 110 to 220 VAC wall mounted (-48 VDC rack mounted)
- Local Display: Status LEDs

- Two antenna connectors per sector

## ENVIRONMENTAL

- Temperature: 23°to 122°F (-5°to 50°C) operating
- Humidity: 5 to 95% non-condensing

## COMPLIANCE

- FCC Part 22 or 24 (as applicable)
- FCC Part 15 Class A
- IS-97
- UL 60950-1
- cUL

## PROTOCOL SUPPORT

- OA&M interface: SNMP v2c
- Core Network: IP
- Signaling: IOS/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](http://www.utstar.com)

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